

TEST REPORT

1. Applicant

Client Name : FEELUX Co. Ltd.
Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea
Date of Receipt : 20140318

2. Purpose of Report : Sample test

3. Test Standard / Item : LED / HDV 3W 3K

4. Test Period : 20140318 ~ 2014-03-18 오전 11:36:21

5. Test Environment

Ambient Temp. : (23 +- 3) °C
Relative Humidity : (33.73 +- 10) % RH

6. Test Result : Refer to the attachment

Test Item

Name of Product :

LSL

Model / Rating :

Model :

Rating : 20W

Confirmation	Test by Youngjun, Lee	Technical manager Soobeom, Park
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The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
This report cannot be reporduced, except in full.
This report is for reference only. It cannot replace the report by standard organization(s).

TEST RESULT

Report Number	Sample Name	Sample Number	Test Standard
20140318-0001	LSL	20W	LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.4389, 0.4082	
Correlated Color Temperature	K	3017	
Ra	-	82.48	
Power Factor	%	1.000	
Input Voltage	V	23.990	
Input Current	A	0.119	
Input Watt	W	2.86	
Lamp Flux	lm	210.7	
Efficient	lm/W	73.81	
Illuminance	lx	91	1 m
		23	2 m
		10	3 m

* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

Lamp

Report

20140318-0001

No. of lamps 1

FilenameC:\Program Files\JNCTECH\GoniLED\StartUp\Data\140318\H3W 3K.jdt

Lamp flux (lm) 211

Operatorrent (A) 0.119

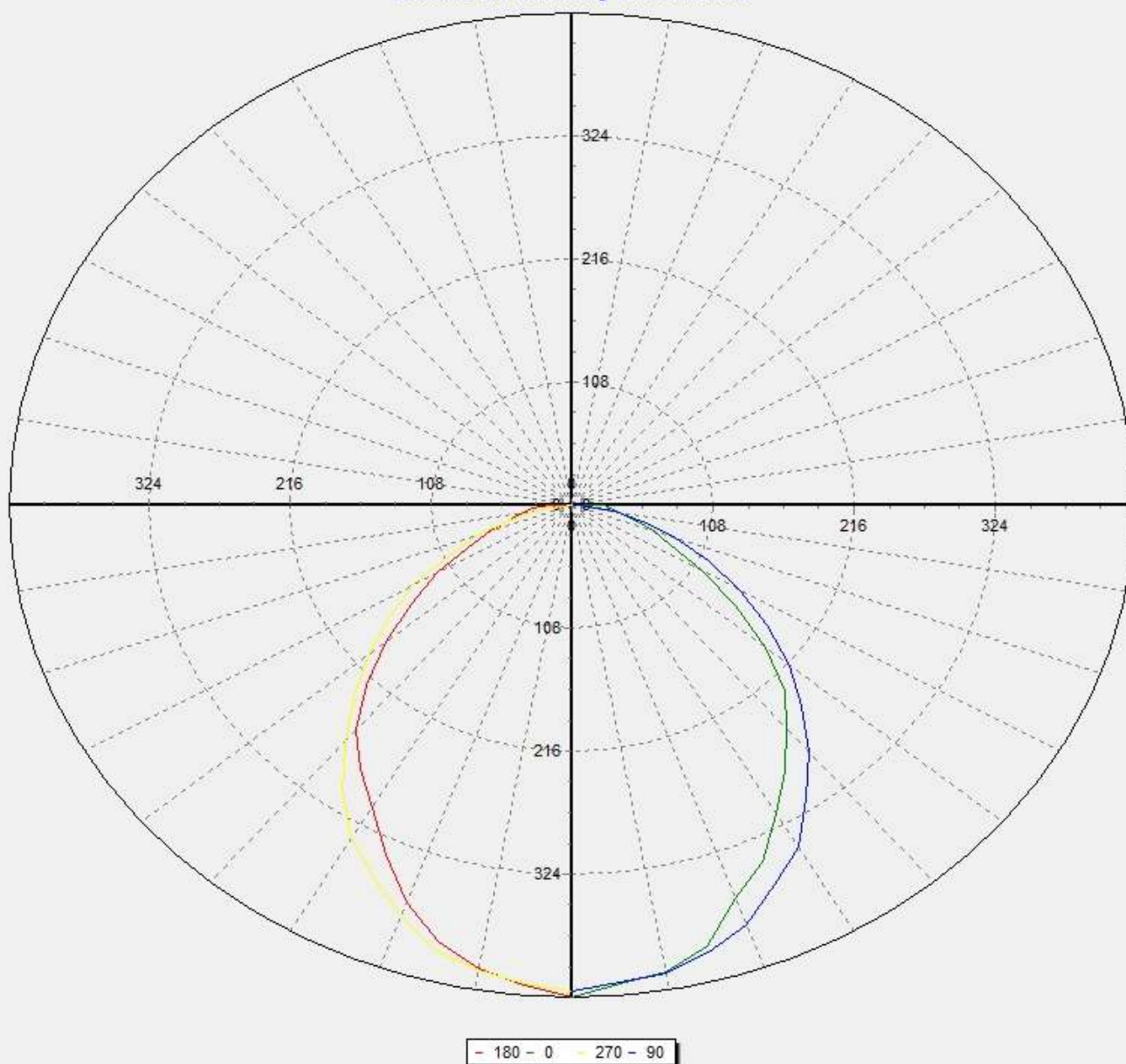
Kimth

Total flux (lm) 211

Date Power Factor 1

2014-03-18 오후 4:50:53

Luminous Intensity Distribution



All luminous intensity values are in Cd/Klm unit.

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 211

Total flux (lm) 211

Report

Filename C:\Program Files\JNCTECH\GoniLED\Startup\Data\20140318\H3W 3K.jdt

Operator current (A) 0.119

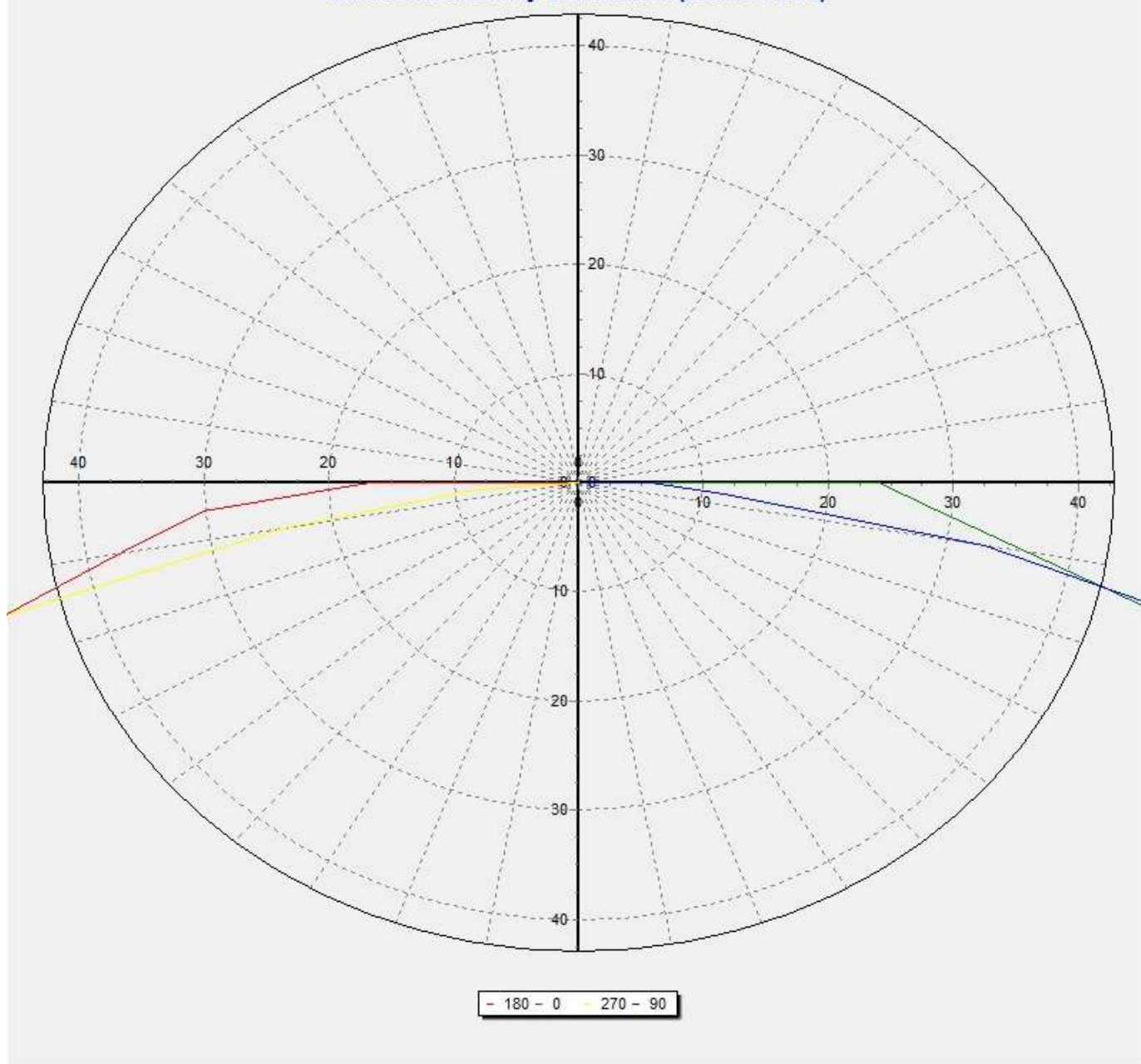
Date Power Factor 1

20140318-0001

Kimth

2014-03-18 오후 4:50:53

Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/Klm unit.

Luminaire

Lamp		Report	20140318-0001
No. of lamps	1	Filename	C:\Program Files\JNC\TECH\GoniLED\StartUp\Data\140318\HDTV 3W 3K.jdt
Lamp flux (lm)	211	Operator	Kimth
Total flux (lm)	211	Date	2014-03-18 오후 4:50:53

Luminous Intensity Data

GWC	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0	91.07	90.14	91.38	87.99	90.26	89.70	90.29	89.90	90.36	89.29	90.32	89.10	90.00	90.41	89.25
5	88.89	88.47	88.92	90.78	89.59	89.05	89.51	89.82	90.62	89.65	89.94	89.40	89.67	88.40	89.72
10	87.77	86.86	87.24	88.09	88.19	87.37	87.42	87.17	87.04	87.96	88.14	87.90	87.47	87.43	87.54
15	84.40	83.34	83.89	84.07	84.38	84.70	83.95	83.45	84.30	84.61	85.55	84.55	85.17	85.32	85.10
20	77.36	78.46	78.85	79.00	78.61	79.23	79.78	79.56	79.41	79.89	81.48	80.93	80.26	81.32	81.09
25	72.96	72.79	72.69	72.84	73.03	73.30	73.44	74.25	74.88	75.38	77.16	75.90	77.04	77.32	77.66
30	66.12	66.19	65.99	66.19	66.81	66.29	67.64	66.45	67.48	69.01	69.27	69.06	70.50	70.10	72.16
35	60.01	60.98	59.71	60.46	60.66	60.21	61.07	60.75	60.45	61.76	62.25	62.26	64.20	64.08	66.31
40	54.17	53.83	54.67	54.49	54.68	53.78	54.77	54.51	55.15	54.21	55.26	56.05	56.11	57.46	58.29
45	48.66	47.59	47.90	47.92	47.92	48.10	48.12	48.76	48.50	48.28	47.83	48.89	49.20	48.87	50.48
50	40.83	39.92	41.34	40.66	41.33	41.15	41.42	41.77	41.18	42.37	42.17	42.09	41.99	41.99	43.70
55	32.22	31.60	31.98	33.19	32.69	34.21	34.55	34.28	35.09	34.95	34.99	34.92	35.16	36.08	35.55
60	24.40	23.47	24.40	24.77	25.33	25.35	26.62	26.60	27.54	28.07	29.19	29.57	29.77	28.63	28.57
65	17.32	17.99	18.38	18.46	19.14	18.65	20.54	20.49	21.77	21.66	21.77	23.10	23.47	22.36	22.74
70	13.93	13.25	13.53	14.00	13.79	13.38	14.65	14.55	15.63	16.06	16.87	17.32	17.27	17.38	15.89
75	10.62	10.16	10.43	10.00	10.06	10.49	10.59	11.63	10.67	11.40	11.67	11.31	11.83	11.32	11.92
80	7.71	6.67	7.38	8.14	7.70	7.98	8.05	8.13	7.55	7.81	7.73	7.60	7.11	7.31	7.15
85	6.06	5.65	6.10	5.39	5.36	5.45	5.12	5.61	4.84	4.79	4.66	4.82	4.33	4.35	3.64
90	5.08	3.96	5.00	4.34	4.29	4.47	4.71	3.49	5.78	3.12	3.71	2.10	3.83	1.74	2.34

Luminaire

Lamp		Report	20140318-0001
No. of lamps	1	Filename	C:\Program Files\JNC\TECH\GoniLED\StartUp\Data\140318\HVDV 3W 3K.jdt
Lamp flux (lm)	211	Operator	Kimth
Total flux (lm)	211	Date	2014-03-18 오후 4:50:53

Luminous Intensity Data (Continued)

GWC	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0	89.47	89.41	90.56	90.05	89.44	89.40	89.45	89.93	89.52	89.38	90.29	89.01	91.53	89.56	89.64
5	89.76	89.27	89.38	88.56	88.39	88.38	90.17	89.57	88.53	89.91	89.07	89.39	89.40	89.65	88.84
10	87.57	88.04	88.43	88.05	87.53	87.47	86.16	87.32	87.76	88.48	87.06	86.99	87.27	88.01	87.58
15	85.54	86.09	84.99	85.72	85.23	84.89	85.37	85.25	86.05	85.16	84.13	85.40	85.43	84.34	84.02
20	82.57	81.79	81.50	82.67	82.99	83.28	81.05	82.59	81.34	80.70	81.79	80.13	79.27	79.21	79.39
25	77.53	77.10	76.24	77.64	77.55	78.79	78.02	77.62	77.85	76.84	75.02	75.32	74.84	74.63	74.73
30	72.64	72.71	72.17	73.22	72.50	72.48	71.22	70.98	70.80	70.65	69.43	68.92	68.46	67.97	67.00
35	65.82	66.42	66.23	66.00	66.34	65.57	66.19	64.84	64.40	63.74	62.64	60.83	61.26	61.47	60.92
40	59.00	59.21	58.73	59.55	59.18	59.93	58.06	59.07	56.68	56.04	55.10	54.90	54.69	54.61	54.24
45	50.58	51.64	52.86	52.45	52.65	52.05	51.42	50.99	48.31	49.23	48.52	48.95	48.09	47.94	47.63
50	43.43	45.05	45.20	46.07	45.43	44.21	42.81	42.99	42.39	41.94	42.33	41.80	41.43	41.50	41.32
55	36.11	37.01	37.92	38.60	37.40	36.84	35.66	35.79	35.47	35.28	34.95	35.18	35.25	35.14	33.86
60	30.05	29.99	29.84	31.48	29.47	29.99	28.84	28.50	28.93	29.32	28.99	28.68	28.24	27.79	27.17
65	22.78	22.91	23.09	24.41	23.04	23.39	22.26	22.51	22.44	22.62	22.30	22.41	21.80	21.28	20.74
70	16.96	17.09	16.81	17.94	16.61	17.29	16.76	17.56	16.62	17.25	16.80	17.04	15.60	15.89	14.98
75	11.33	10.85	11.37	11.87	11.12	11.45	11.36	11.43	11.91	11.48	11.86	11.61	11.41	11.38	11.09
80	6.81	6.54	6.40	6.97	6.27	6.48	6.69	7.47	7.00	8.00	7.90	8.47	7.83	8.36	8.48
85	3.69	3.11	1.92	2.46	2.64	2.47	2.85	4.23	4.52	4.61	4.38	5.02	5.41	5.40	5.97
90	1.21	2.20	0.51	1.22	0.45	1.94	0.80	2.98	1.95	3.62	2.25	4.49	2.23	4.48	3.19

Luminaire

Lamp		Report	20140318-0001
No. of lamps	1	Filename	C:\Program Files\JNC\TECH\GoniLED\StartUp\Data\140318\HDDV 3W 3K.jdt
Lamp flux (lm)	211	Operator	Kimth
Total flux (lm)	211	Date	2014-03-18 오후 4:50:53

Luminous Intensity Data (Continued)

GWC	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0	90.59	90.40	89.83	89.64	88.87	90.30	91.07	90.14	91.38	87.99	90.26	89.70	90.29	89.90	90.36
5	89.15	88.43	88.34	89.78	88.22	89.96	89.15	89.60	89.93	90.31	89.74	88.88	88.65	89.44	88.95
10	86.44	87.76	87.89	87.02	87.00	86.22	87.18	86.74	86.03	86.95	86.39	88.11	87.18	87.76	87.24
15	84.09	83.28	84.41	84.45	84.49	83.81	83.59	83.86	83.47	84.20	84.44	83.74	83.65	83.98	84.53
20	79.12	79.60	78.48	78.78	79.08	78.46	78.34	79.06	78.79	78.67	79.63	78.11	79.59	79.67	79.41
25	72.80	72.83	73.48	72.63	71.87	71.31	71.44	73.00	72.81	72.39	72.57	73.19	74.19	74.39	73.75
30	66.88	65.96	67.10	65.12	66.72	66.17	64.71	66.41	66.09	66.15	65.79	66.06	66.70	65.96	68.42
35	60.68	59.66	60.45	59.81	59.80	59.25	59.62	60.25	59.34	60.60	59.23	60.23	59.68	61.12	60.20
40	54.77	53.63	54.20	53.07	53.80	54.67	54.38	53.24	52.86	53.31	54.09	53.74	52.88	53.35	53.14
45	47.44	47.41	47.38	47.00	46.76	46.93	47.20	47.19	46.40	47.24	47.26	47.45	46.23	47.73	47.32
50	41.45	41.16	40.93	40.13	39.84	39.88	39.41	40.41	39.67	41.07	40.42	41.24	40.50	40.58	40.54
55	34.30	33.55	33.27	33.06	32.37	31.74	31.85	32.60	32.10	33.30	32.97	33.21	33.87	33.37	33.64
60	26.72	26.87	25.93	25.04	24.69	24.70	25.20	25.15	24.83	25.68	25.67	26.16	26.20	27.23	27.25
65	20.57	19.41	19.36	19.07	18.37	19.07	18.75	18.99	18.89	19.57	19.02	20.34	19.79	20.62	20.70
70	15.30	14.77	14.92	14.23	14.00	13.86	13.91	13.92	14.05	14.00	13.99	14.19	14.58	14.65	15.30
75	10.49	10.91	10.99	10.81	9.74	10.83	10.15	10.48	10.11	10.82	10.87	10.77	10.84	11.21	11.19
80	7.85	7.40	8.18	7.51	7.48	8.75	7.84	7.88	7.90	7.97	7.76	7.94	7.58	7.45	7.80
85	6.09	5.09	5.88	5.99	5.07	5.90	6.38	5.40	5.08	5.70	4.94	4.96	5.06	4.93	5.06
90	4.26	3.55	5.35	3.96	5.07	4.30	3.53	5.27	3.49	4.80	3.63	4.97	3.67	4.86	3.17

Luminaire

Lamp		Report	20140318-0001
No. of lamps	1	Filename	C:\Program Files\JNC\TECH\GoniLED\StartUp\Data\140318\HDDV 3W 3K.jdt
Lamp flux (lm)	211	Operator	Kimth
Total flux (lm)	211	Date	2014-03-18 오후 4:50:53

Luminous Intensity Data (Continued)

GWC	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0	89.29	90.32	89.10	90.00	90.41	89.25	89.47	89.41	90.56	90.05	89.44	89.40	89.45	89.93	89.52
5	89.34	89.82	89.58	88.77	88.31	89.56	88.77	88.82	89.92	88.81	89.49	88.03	89.00	89.16	89.24
10	86.97	87.32	86.56	88.23	87.99	88.12	88.07	86.98	86.40	87.30	87.00	87.47	87.51	87.87	87.87
15	84.96	84.57	84.52	83.66	84.41	85.52	84.38	84.87	85.27	85.34	85.26	84.98	85.00	83.57	84.49
20	81.43	80.31	81.11	80.38	81.24	80.78	80.84	80.95	81.78	80.99	81.03	81.65	80.41	80.50	80.71
25	74.62	74.23	75.47	74.74	75.99	76.75	76.96	76.15	76.50	75.84	76.90	76.36	76.47	76.00	75.63
30	68.46	68.32	68.58	68.65	70.85	70.13	71.41	69.91	71.32	71.16	70.68	71.37	69.62	70.00	69.77
35	61.26	61.28	62.05	61.77	63.06	63.79	64.12	65.29	65.17	64.82	64.58	64.98	63.71	63.14	62.34
40	53.56	53.14	54.28	55.09	55.56	56.40	57.26	57.39	57.76	57.18	57.65	56.40	57.06	55.80	56.14
45	47.32	46.35	47.81	47.24	48.44	48.81	49.48	49.28	50.24	49.81	50.83	49.58	48.98	48.43	47.68
50	40.53	40.11	40.38	39.87	40.84	41.48	42.61	42.89	42.75	42.74	42.63	41.76	42.32	40.80	40.91
55	33.62	33.49	34.08	32.57	33.63	33.74	34.58	35.35	35.69	35.76	36.13	34.24	34.39	33.84	33.20
60	28.00	27.43	27.53	27.02	26.52	27.84	27.35	27.52	29.32	29.70	28.54	27.48	26.94	27.18	28.11
65	21.35	20.99	22.38	21.13	21.24	21.34	21.48	21.31	22.34	22.07	21.65	21.12	20.83	20.77	21.22
70	15.43	14.82	15.77	15.93	15.67	15.94	16.31	14.67	15.70	16.19	15.56	15.11	15.70	15.48	15.78
75	11.33	10.99	11.35	11.26	10.93	10.58	9.74	10.67	10.82	10.34	10.43	10.25	10.42	10.37	11.68
80	7.50	7.03	6.93	7.07	7.16	6.09	5.64	5.94	5.55	5.07	5.87	5.79	5.88	6.44	6.48
85	4.79	5.01	4.58	3.83	4.09	3.32	2.74	1.73	1.98	1.74	1.66	2.25	2.79	3.59	3.56
90	3.92	2.90	3.39	1.66	2.68	1.25	2.11	0.86	0.39	-0.11	1.11	0.52	2.36	1.08	3.09

Luminaire

Lamp		Report	20140318-0001
No. of lamps	1	Filename	C:\Program Files\JNC\TECH\GoniLED\StartUp\Data\140318\HVDV 3W 3K.jdt
Lamp flux (lm)	211	Operator	Kimth
Total flux (lm)	211	Date	2014-03-18 오후 4:50:53

Luminous Intensity Data (Continued)

GWC	300	305	310	315	320	325	330	335	340	345	350	355	360
0	89.38	90.29	89.01	91.53	89.56	89.64	90.59	90.40	89.83	89.64	88.87	90.30	91.07
5	88.78	89.32	89.70	87.92	88.90	88.88	89.34	89.23	88.89	89.35	88.84	89.80	88.89
10	87.68	87.52	86.65	87.02	86.89	87.38	86.33	86.50	86.33	87.26	87.06	86.94	87.77
15	84.41	83.91	84.66	85.72	84.14	83.27	83.69	84.11	83.87	83.42	82.71	83.57	84.40
20	80.84	80.32	79.05	79.86	80.27	80.48	79.20	78.94	78.29	77.05	77.43	78.87	77.36
25	74.42	74.84	74.55	73.52	73.62	73.05	73.49	73.10	72.01	72.18	72.20	71.96	72.96
30	70.11	68.81	68.50	67.44	67.21	66.80	65.54	66.95	65.64	66.92	66.36	65.71	66.12
35	61.93	61.50	60.82	60.00	59.63	60.37	59.32	59.62	58.87	60.25	59.82	60.01	60.01
40	54.06	53.81	53.26	54.04	53.00	54.63	53.45	53.77	54.17	52.73	53.47	53.83	54.17
45	46.66	46.78	46.54	47.11	46.18	47.21	47.78	46.24	47.53	47.33	47.16	48.46	48.66
50	39.73	40.45	40.29	41.15	40.54	40.45	40.02	40.95	39.91	40.91	39.61	40.83	40.83
55	33.21	33.51	33.67	34.15	34.05	34.25	32.66	32.18	32.20	32.61	31.37	31.93	32.22
60	27.66	27.89	27.41	27.33	26.69	26.06	25.05	25.64	24.23	24.74	24.48	23.92	24.40
65	21.83	21.74	21.17	20.26	19.88	19.38	18.89	18.59	18.05	18.12	17.98	17.93	17.32
70	15.86	15.80	15.12	15.36	14.90	15.14	14.11	14.52	13.58	14.00	13.20	13.53	13.93
75	10.93	11.49	11.43	10.24	10.42	10.82	10.78	10.66	9.99	9.95	10.14	10.56	10.62
80	7.44	7.40	6.78	7.58	7.53	7.47	8.06	7.07	7.30	8.14	7.57	7.56	7.71
85	4.42	4.52	4.43	5.67	4.81	4.58	5.43	5.48	4.69	5.54	5.82	5.81	6.06
90	2.37	3.63	3.41	3.99	3.28	4.96	3.60	5.34	3.11	4.27	3.70	4.37	5.08

Luminaire

Lamp		Report	20140318-0001
No. of lamps	1	Filename	C:\Program Files\JNCTECH\GoniLED\Startup\Data\140318\HDTV 3W 3K.jdt
Lamp flux (lm)	211	Operator	Kimth
Total flux (lm)	211	Date	2014-03-18 오후 4:50:53
		Power Factor	1

Luminous Flux Table

Total Lamp Lumens: 211
 Luminaire Efficiency (lm/W): 210.75
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.54	0.54	0.26	0.26
5	4.26	4.80	2.28	2.28
10	8.31	13.11	6.22	6.22
15	11.99	25.10	11.91	11.91
20	15.01	40.11	19.04	19.03
25	17.31	57.42	27.25	27.25
30	18.77	76.19	36.16	36.15
35	19.48	95.67	45.41	45.40
40	19.46	115.13	54.64	54.63
45	18.75	133.88	63.54	63.53
50	17.42	151.29	71.81	71.79
55	15.32	166.62	79.08	79.06
60	12.89	179.50	85.19	85.18
65	10.30	189.81	90.08	90.06
70	7.89	197.70	93.83	93.81
75	5.77	203.47	96.57	96.55
80	3.94	207.41	98.44	98.42
85	2.47	209.88	99.61	99.59
90	0.87	210.75	100.02	100.00

Luminaire

Lamp

Report

20140318-0001

No. of lamps

1

File name C:\Program Files\JNC\TECH\GoniLED\StartUp\Data\140318\H3W 3K.jdt

Lamp flux (lm)

211

Operator

rent (A)

0.119

Kimth

Total flux (lm)

211

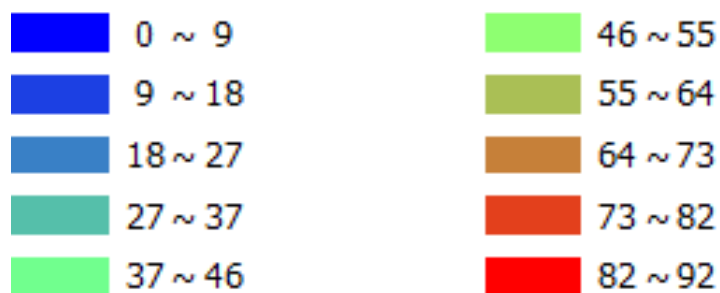
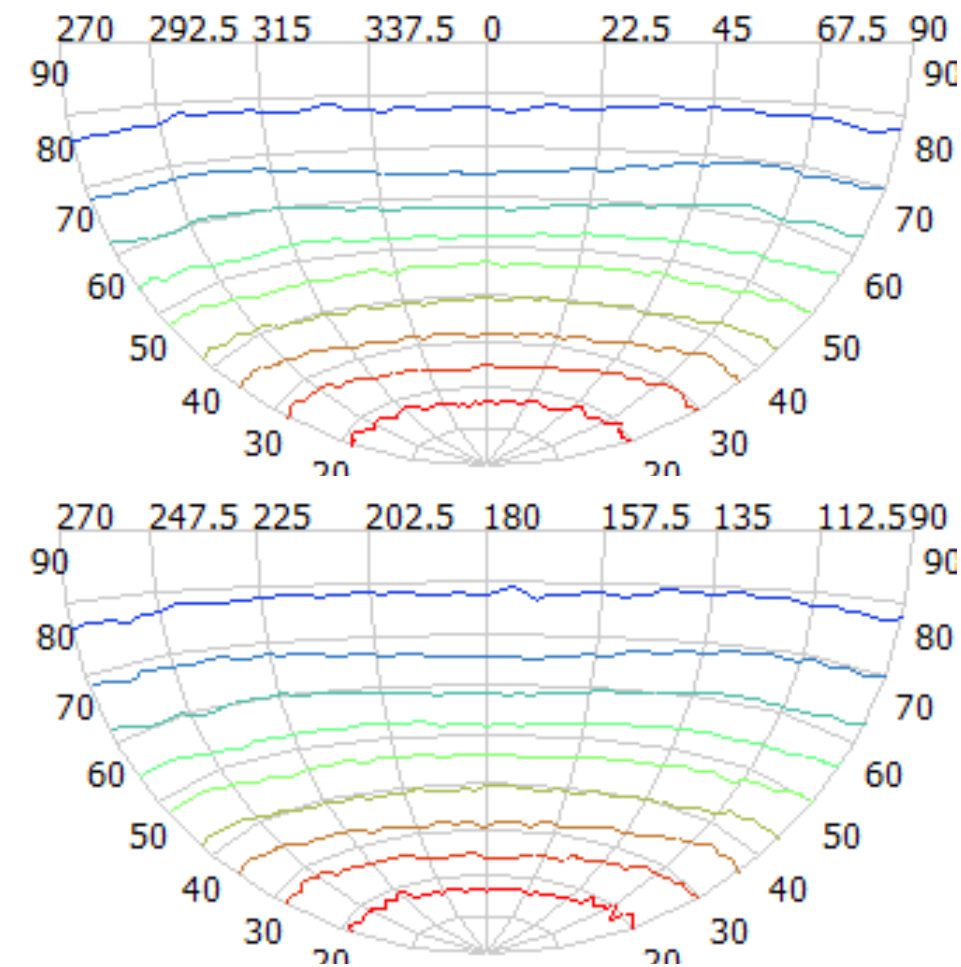
Date

Power Factor

1

2014-03-18 오후 4:50:53

IsoCandela (Type C)



Luminaire

Lamp

Report

20140318-0001

No. of lamps 1

Filename C:\Program Files\JNC\TECH\GoniLED\Startup\Data\140318\HVDV 3W 3K.jdt

Lamp flux (lm) 211

Operator rent (A) 0.119

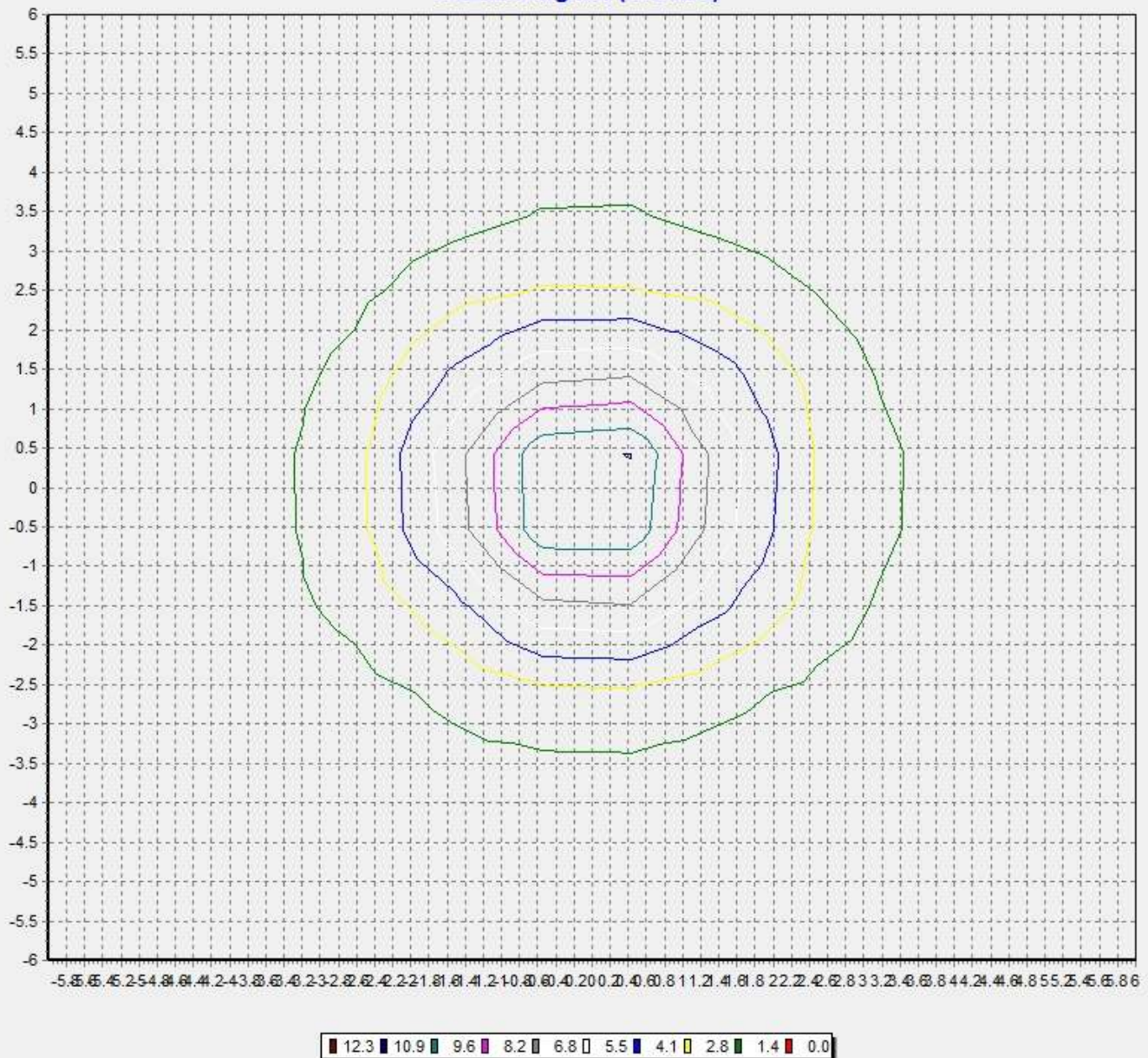
Kimth

Total flux (lm) 211

Date Power Factor 1

2014-03-18 오후 4:50:53

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp

Report

20140318-0001

No. of lamps

1

File name C:\Program Files\JNC\JNC\GoniLED\StartUp\Data\140318\H3W\H3W 3K.jdt

Lamp flux (lm)

211

Operator

rent (A)

0.119

Kimth

Total flux (lm)

211

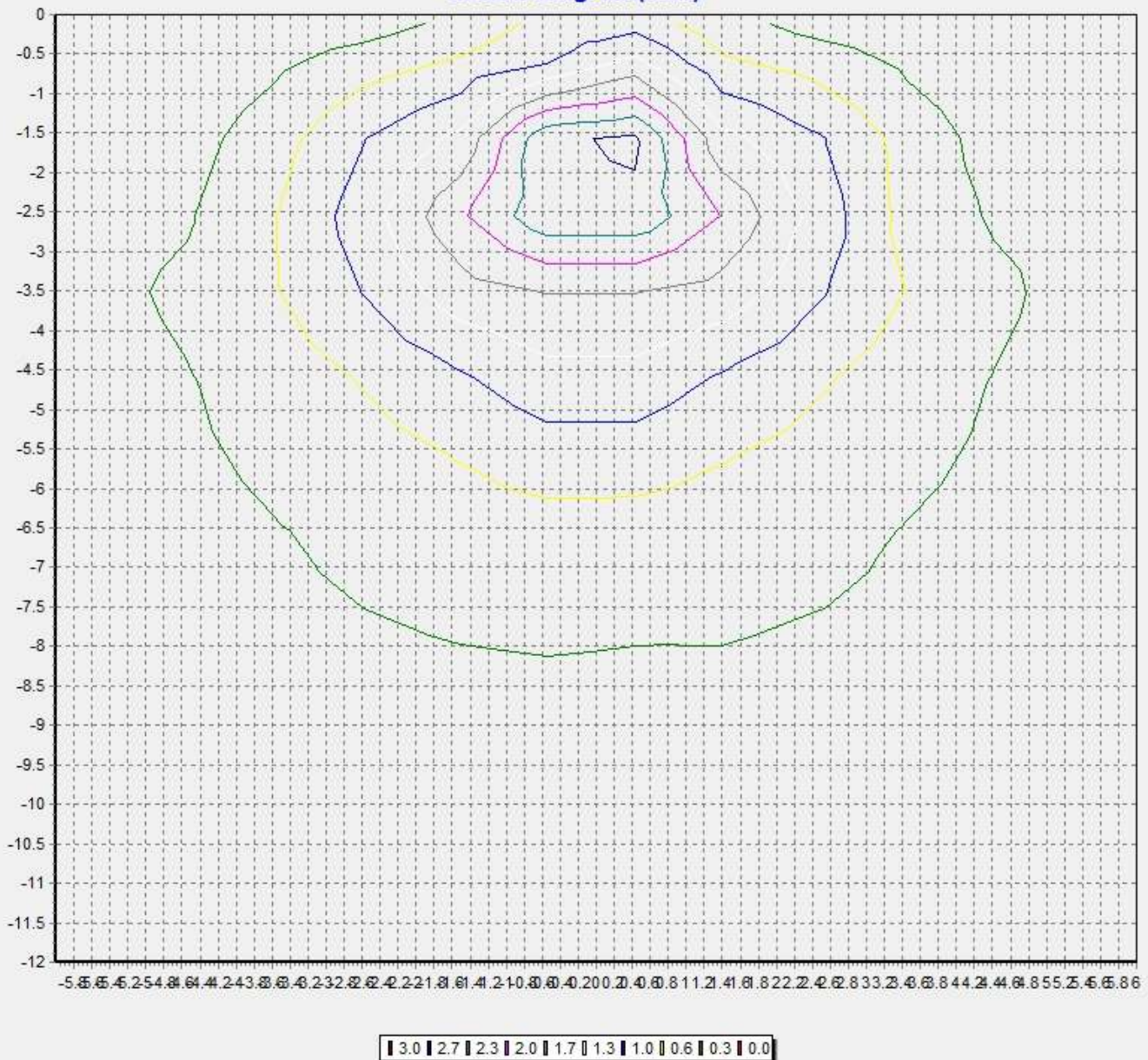
Date

Power Factor

1

2014-03-18 오후 4:50:53

IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Luminaire				Report			
Lamp				20140318-0001			
No. of lamps	1	Voltage (V)	23.99	Filename	C:\Program Files\JNCTECH\GoniLED\StartUp\Data\140318\HDTV 3W 3K.jdt		
Lamp flux (lm)	211	Current (A)	0.119	Operator	Kimth		
Total flux (lm)	211	Power Factor	1	Date	2014-03-18 오후 4:50:53		

Illuminance Levels (Ground)

6.00	0.07	0.10	0.10	0.14	0.22	0.26	0.29	0.26	0.22	0.14	0.10	0.10	0.07
5.00	0.10	0.10	0.21	0.29	0.30	0.48	0.53	0.48	0.30	0.30	0.21	0.11	0.10
4.00	0.10	0.20	0.25	0.49	0.57	0.91	1.07	0.92	0.58	0.49	0.24	0.20	0.09
3.00	0.12	0.27	0.47	0.67	1.11	1.64	2.00	1.62	1.11	0.67	0.47	0.26	0.11
2.00	0.20	0.27	0.54	1.10	2.39	3.68	5.05	3.61	2.38	1.09	0.51	0.26	0.19
1.00	0.22	0.41	0.86	1.57	3.41	6.81	9.67	6.87	3.44	1.57	0.86	0.40	0.21
0.00	0.23	0.44	0.91	1.75	4.49	9.42	12.49	9.50	4.57	1.80	0.94	0.44	0.22
-1.00	0.22	0.41	0.86	1.55	3.41	6.80	9.62	6.70	3.39	1.55	0.84	0.40	0.21
-2.00	0.19	0.26	0.52	1.07	2.34	3.51	4.93	3.54	2.36	1.08	0.51	0.25	0.19
-3.00	0.12	0.26	0.46	0.65	1.06	1.57	1.87	1.58	1.06	0.65	0.47	0.25	0.11
-4.00	0.09	0.20	0.24	0.47	0.53	0.88	0.99	0.89	0.55	0.46	0.23	0.19	0.09
-5.00	0.09	0.10	0.20	0.27	0.29	0.45	0.50	0.46	0.28	0.28	0.20	0.10	0.09
-6.00	0.07	0.10	0.09	0.13	0.21	0.24	0.27	0.24	0.21	0.13	0.10	0.10	0.07
-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	

Illum. (Max.): 12.5

All illuminance level values are in lux.

Illum. (Min.): 0.07

Illum. Avg.: 1.21

Total Optical Solution Provider


<http://www.jnctech.co.kr>
J & C Technology Co., Ltd.

Luminaire

Lamp

Report

20140318-0001

No. of lamps

1

FilenameC:\Program Files\JNCTECH\GoniLED\StartUp\Data\140318\H3V 3W 3K.jdt

Lamp flux (lm)

211

Operatorrent (A)

0.119

Kimth

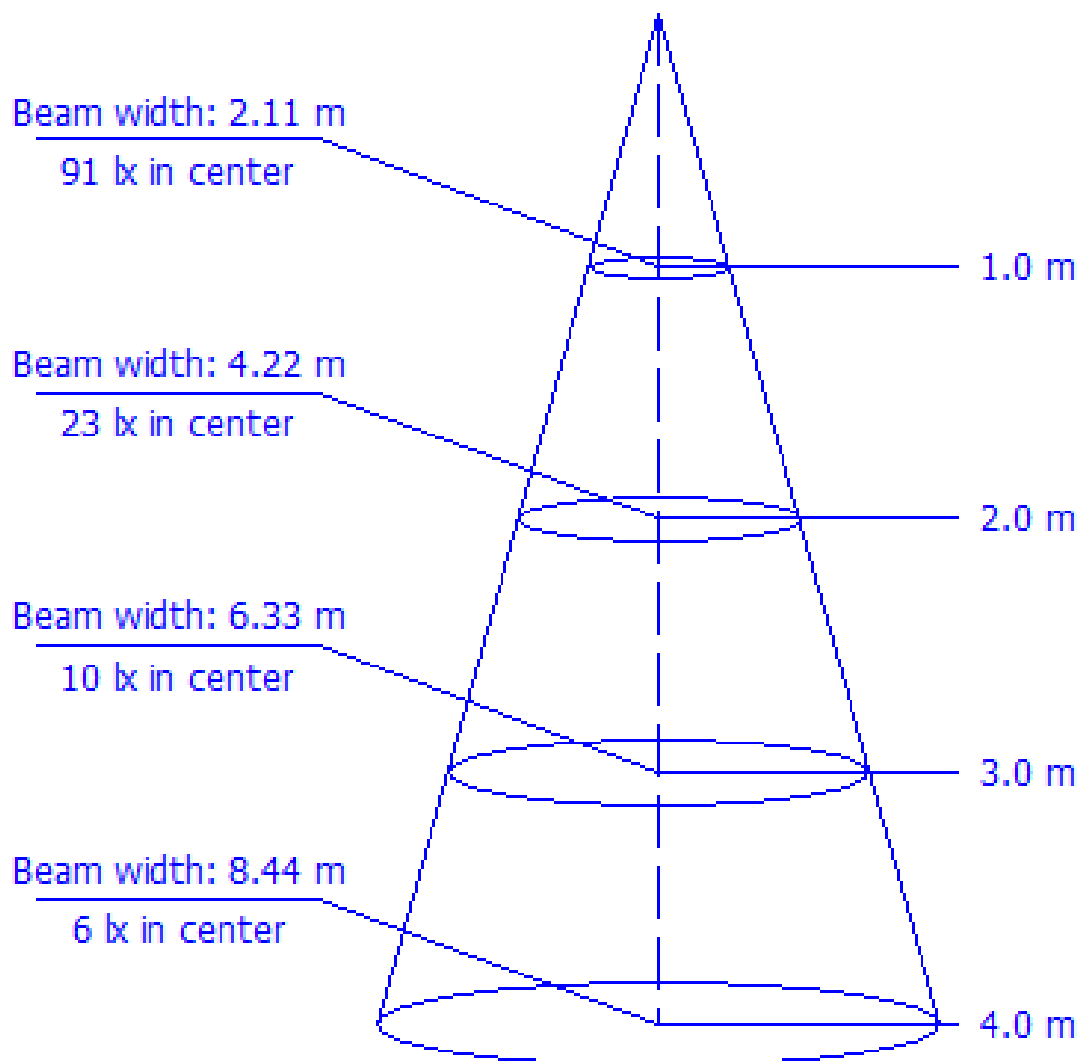
Total flux (lm)

211

Date Power Factor

1

2014-03-18 오후 4:50:53

Illuminance Cone Diagram

Beam Angle = 93 deg.

Based on 50% of maximum illuminance.

Luminaire				Report				20140318-0001			
Lamp				Filename C:\Program Files\JNCTECH\GoniLED\Startup\Data\140318\HDTV 3W 3K.jdt				Kimth			
No. of lamps	1	Voltage (V)	23.99	Operator				2014-03-18 오후 4:50:53			
Lamp flux (lm)	211	Current (A)	0.119	Date							
Total flux (lm)	211	Power Factor	1								

Coefficient of Utilization

Refl. Ceiling (%)	80%	80%	80%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
Refl. Wall (%)	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
Eff. Floor Cavity Refl.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Room CR 0	1.20	1.20	1.20	1.17	1.17	1.17	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	1.01
Room CR 1	1.05	1.01	0.97	1.03	0.99	0.96	0.99	0.96	0.93	0.95	0.92	0.90	0.91	0.89	0.87	0.85
Room CR 2	0.93	0.86	0.80	0.91	0.85	0.80	0.87	0.82	0.78	0.84	0.80	0.76	0.81	0.77	0.74	0.72
Room CR 3	0.82	0.74	0.68	0.80	0.73	0.67	0.77	0.71	0.66	0.75	0.69	0.65	0.72	0.68	0.64	0.62
Room CR 4	0.73	0.65	0.58	0.72	0.64	0.58	0.69	0.62	0.57	0.67	0.61	0.56	0.65	0.60	0.55	0.53
Room CR 5	0.66	0.57	0.51	0.65	0.56	0.50	0.63	0.55	0.50	0.61	0.54	0.49	0.59	0.53	0.49	0.47
Room CR 6	0.60	0.51	0.45	0.59	0.50	0.44	0.57	0.49	0.44	0.55	0.49	0.44	0.54	0.48	0.43	0.41
Room CR 7	0.54	0.46	0.40	0.53	0.45	0.39	0.52	0.45	0.39	0.50	0.44	0.39	0.49	0.43	0.39	0.37
Room CR 8	0.50	0.41	0.36	0.49	0.41	0.35	0.48	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.33
Room CR 9	0.46	0.38	0.32	0.45	0.37	0.32	0.44	0.37	0.32	0.43	0.36	0.32	0.42	0.36	0.32	0.30
Room CR 10	0.42	0.35	0.29	0.42	0.34	0.29	0.41	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27