

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: NEORAY

Report Number: CRT2202031552-002

Luminaire Tested: **GUV-P-2**

Issue Date: 04/01/2022



Test Information

Test Method: LM-79-08
Report Number: CRT2202031552-002
The data set was measured in RADIOMETRIC UNITS.
Test Lab: Intertek Cortland
Issue Date: 04/01/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEORAY
Catalog Number: GUV-P-2
Description: Define Upper Air 2' Pendant Fixture
Light Source: (1) 17W T8
Ballast/Driver: -

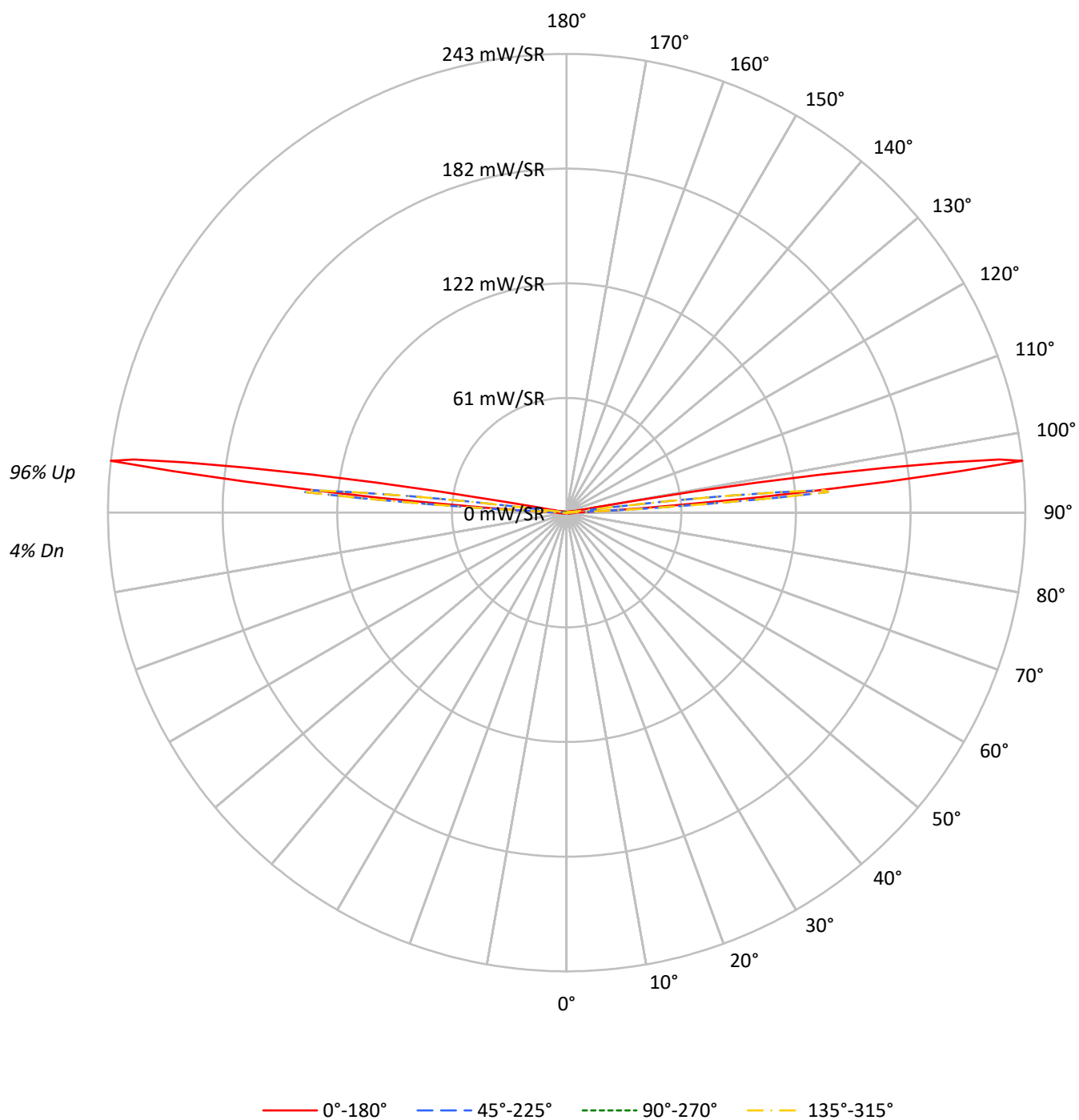
Summary

Output per Lamp: N/A
Luminaire UV Output: 53.8 mW
Efficiency: N/A
UV Efficacy: 3.4 UV mW/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 1.88' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 15.87
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 6.8 FT

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Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	96	96	96	96	83	83	83	83	58	58	58	35	35	35	14	14	14
1	86	82	78	74	74	70	67	64	49	47	45	29	28	27	11	10	10
2	78	71	65	60	67	61	56	52	42	39	36	25	23	22	9	8	7
3	71	62	55	50	61	53	48	43	37	33	30	22	20	18	8	7	6
4	65	55	47	41	55	47	41	36	33	29	25	19	17	15	7	6	5
5	59	48	41	35	51	42	35	31	29	25	22	17	15	13	6	5	4
6	54	43	35	30	46	37	31	26	26	22	19	15	13	11	5	5	4
7	50	39	31	26	43	33	27	23	23	19	16	14	11	10	5	4	3
8	46	35	27	22	40	30	24	20	21	17	14	12	10	8	4	4	3
9	43	31	24	20	37	27	21	17	19	15	12	11	9	7	4	3	2
10	40	29	22	17	34	25	19	15	17	13	11	10	8	6	4	3	2

AVERAGE LUMINANCE (mW/SR/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	0	0	0	0
10°	0	0	0	0
15°	0	0	0	0
20°	0	0	0	0
25°	0	0	0	0
30°	0	0	0	0
35°	0	0	0	0
40°	0	0	0	0
45°	0	0	0	0
50°	0	0	0	0
55°	0	0	0	0
60°	0	0	0	0
65°	14	0	14	0
70°	33	0	33	0
75°	66	0	66	0
80°	132	0	132	0
85°	394	0	394	0



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ZONAL OUTPUT:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.2	0.4
70°-80°	0.7	1.2
80°-90°	1.4	2.6
90°-100°	48.0	89.3
100°-110°	2.2	4.0
110°-120°	1.0	1.8
120°-130°	0.3	0.6
130°-140°	0.1	0.1
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	4.2
90°-120°	51.2	95.1
90°-150°	51.6	95.8
90°-180°	52.0	96.6
0°-180°	53.8	100.0

INTENSITY DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	2	0	2	0	2	2
85°	3	0	3	0	3	2
90°	5	0	5	0	5	3
95°	132	0	132	0	132	105
105°	3	0	3	0	3	5
115°	2	0	2	0	2	1
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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INTENSITY DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	0	0	0	0	0	0	0	1
80°	2	2	1	1	0	0	0	0	0	1	1
85°	3	2	2	1	0	0	0	0	0	1	2
90°	5	4	3	2	1	0	0	0	1	2	3
90.5°	5	5	4	2	1	0	0	0	1	2	4
91°	6	6	5	3	2	2	0	2	2	3	5
91.5°	8	7	6	4	4	12	0	12	4	4	6
92°	10	10	8	8	16	13	0	13	16	8	8
92.5°	14	13	15	21	39	4	0	4	39	21	15
93°	25	26	31	43	66	1	0	1	66	43	31
93.5°	43	44	53	75	76	0	0	0	76	75	53
94°	66	69	85	109	57	0	0	0	57	109	85
94.5°	100	103	120	139	34	1	0	1	34	139	120
95°	132	139	157	137	11	1	0	1	11	137	157
95.5°	171	178	190	112	3	1	0	1	3	112	190
96°	210	217	186	83	1	1	0	1	1	83	186
96.5°	243	224	160	53	1	1	1	1	1	53	160
97°	231	201	129	23	1	1	0	1	1	23	129
97.5°	204	171	97	8	1	1	1	1	1	8	97
98°	171	138	65	4	1	1	0	1	1	4	65
98.5°	136	104	31	3	1	1	1	1	1	3	31
99°	102	71	13	2	1	1	0	1	1	2	13
99.5°	68	4	8	2	1	1	1	1	1	2	8
100°	34	16	5	2	1	1	0	1	1	2	5
100.5°	15	10	4	2	1	1	0	1	1	2	4
101°	9	6	3	2	1	1	0	1	1	2	3
101.5°	6	5	3	2	1	1	0	1	1	2	3
102°	5	4	3	2	1	1	0	1	1	2	3
102.5°	4	4	3	2	1	1	0	1	1	2	3
103°	4	3	2	1	1	1	0	1	1	1	2
103.5°	4	3	2	1	1	1	0	1	1	1	2
104°	3	3	2	1	1	2	0	2	1	1	2
104.5°	3	3	2	1	1	2	0	2	1	1	2
105°	3	3	2	1	1	2	0	2	1	1	2
110°	2	2	1	1	1	2	0	2	1	1	1
120°	1	1	1	0	1	0	0	0	1	0	1
130°	0	0	0	0	1	0	0	0	1	0	0
140°	0	0	0	0	0	0	0	0	0	0	0



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INTENSITY DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
150°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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INTENSITY DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	1	0	0	0	0	0	0	0
80°	2	2	2	1	1	0	0	0	0	0	1
85°	2	3	2	2	1	0	0	0	0	0	1
90°	4	5	4	3	2	1	0	0	0	1	2
90.5°	5	5	5	4	2	1	0	0	0	1	2
91°	6	6	6	5	3	2	2	0	2	2	3
91.5°	7	8	7	6	4	4	12	0	12	4	4
92°	10	10	10	8	8	16	13	0	13	16	8
92.5°	13	14	13	15	21	39	4	0	4	39	21
93°	26	25	26	31	43	66	1	0	1	66	43
93.5°	44	43	44	53	75	76	0	0	0	76	75
94°	69	66	69	85	109	57	0	0	0	57	109
94.5°	103	100	103	120	139	34	1	0	1	34	139
95°	139	132	139	157	137	11	1	0	1	11	137
95.5°	178	171	178	190	112	3	1	0	1	3	112
96°	217	210	217	186	83	1	1	0	1	1	83
96.5°	224	243	224	160	53	1	1	1	1	1	53
97°	201	231	201	129	23	1	1	0	1	1	23
97.5°	171	204	171	97	8	1	1	1	1	1	8
98°	138	171	138	65	4	1	1	0	1	1	4
98.5°	104	136	104	31	3	1	1	1	1	1	3
99°	71	102	71	13	2	1	1	0	1	1	2
99.5°	4	68	4	8	2	1	1	1	1	1	2
100°	16	34	16	5	2	1	1	0	1	1	2
100.5°	10	15	10	4	2	1	1	0	1	1	2
101°	6	9	6	3	2	1	1	0	1	1	2
101.5°	5	6	5	3	2	1	1	0	1	1	2
102°	4	5	4	3	2	1	1	0	1	1	2
102.5°	4	4	4	3	2	1	1	0	1	1	2
103°	3	4	3	2	1	1	1	0	1	1	1
103.5°	3	4	3	2	1	1	1	0	1	1	1
104°	3	3	3	2	1	1	2	0	2	1	1
104.5°	3	3	3	2	1	1	2	0	2	1	1
105°	3	3	3	2	1	1	2	0	2	1	1
110°	2	2	2	1	1	1	2	0	2	1	1
120°	1	1	1	1	0	1	0	0	0	1	0
130°	0	0	0	0	0	1	0	0	0	1	0
140°	0	0	0	0	0	0	0	0	0	0	0



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INTENSITY DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
150°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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INTENSITY DISTRIBUTION (continued):

	330°	345°	360°
0°	0	0	0
10°	0	0	0
20°	0	0	0
30°	0	0	0
40°	0	0	0
50°	0	0	0
60°	0	0	0
70°	1	1	1
80°	1	2	2
85°	2	2	3
90°	3	4	5
90.5°	4	5	5
91°	5	6	6
91.5°	6	7	8
92°	8	10	10
92.5°	15	13	14
93°	31	26	25
93.5°	53	44	43
94°	85	69	66
94.5°	120	103	100
95°	157	139	132
95.5°	190	178	171
96°	186	217	210
96.5°	160	224	243
97°	129	201	231
97.5°	97	171	204
98°	65	138	171
98.5°	31	104	136
99°	13	71	102
99.5°	8	4	68
100°	5	16	34
100.5°	4	10	15
101°	3	6	9
101.5°	3	5	6
102°	3	4	5
102.5°	3	4	4
103°	2	3	4
103.5°	2	3	4
104°	2	3	3
104.5°	2	3	3
105°	2	3	3
110°	1	2	2
120°	1	1	1
130°	0	0	0
140°	0	0	0



TEST NUMBER: CRT2202031552-002
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INTENSITY DISTRIBUTION (continued):

	330°	345°	360°
150°	0	0	0
160°	0	0	0
170°	0	0	0
180°	0	0	0

(END OF REPORT)