

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: NEO-RAY

Report Number: P334502

Luminaire Tested: **S122IP-S725U935-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122IP-S725U935-4F0-1E-UDD-1
Description: DEFINE 2 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 725 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2231.9 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

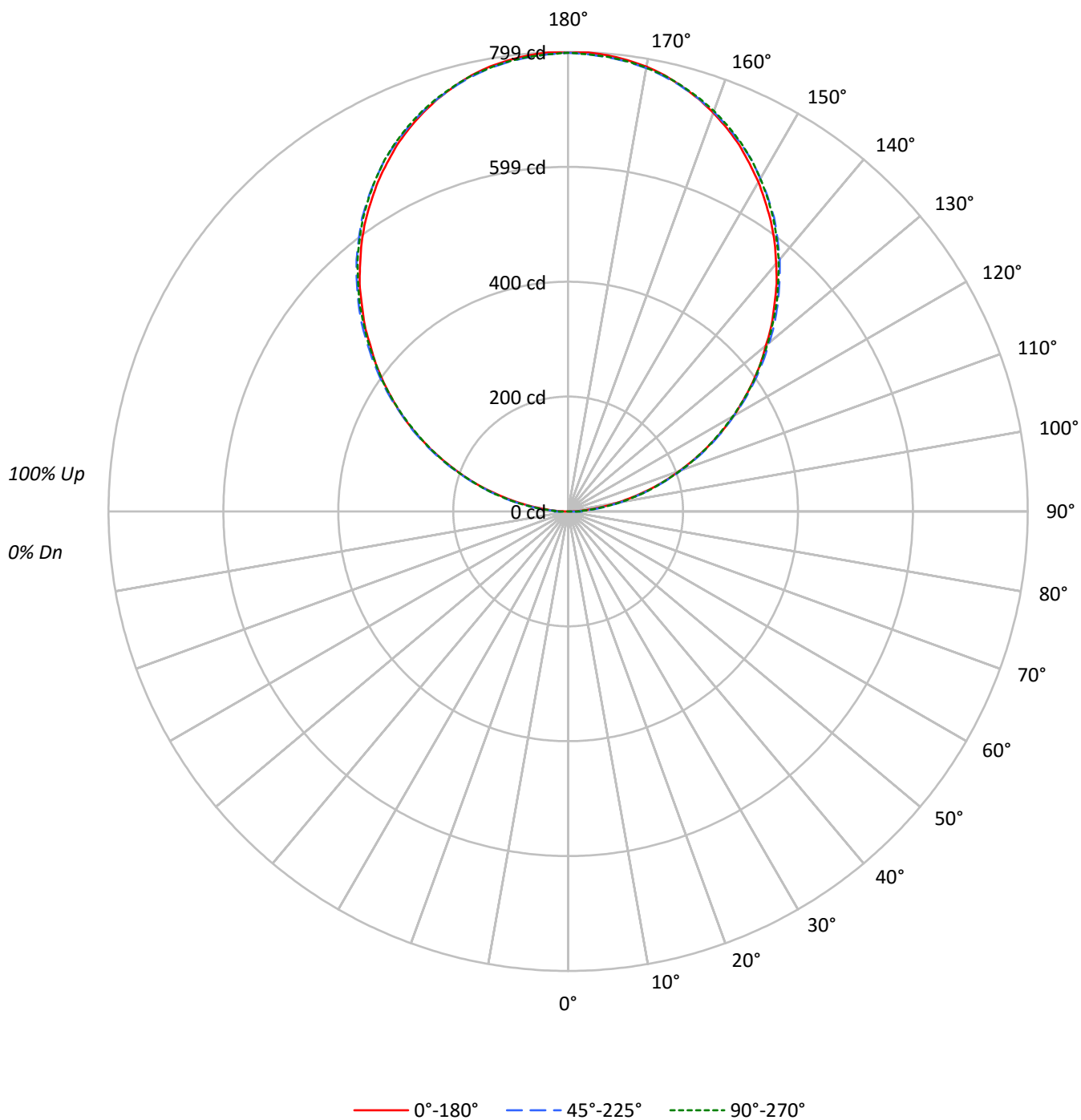
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous 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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

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ZONAL LUMENS:

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°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	2.3	0.1
90°-100°	49.3	2.2
100°-110°	156.8	7.0
110°-120°	268.4	12.0
120°-130°	352.9	15.8
130°-140°	396.2	17.7
140°-150°	388.5	17.4
150°-160°	325.9	14.6
160°-170°	216.1	9.7
170°-180°	75.5	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	0.1
90°-120°	474.5	21.3
90°-150°	1612.1	72.2
90°-180°	2230.0	99.9
0°-180°	2231.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	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°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	9	24	22	23	2
95°	35	42	43	43	42	39
105°	145	147	148	149	149	153
115°	269	273	272	271	269	266
125°	392	398	396	394	393	350
135°	507	514	516	515	513	392
145°	615	620	624	624	622	384
155°	703	705	707	711	709	324
165°	765	764	764	769	766	216
175°	796	794	793	798	794	76
180°	798	798	798	798	798	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.7	8.7	23.6	22.2	22.9
92.5°	14.8	20.2	20.9	21.5	21.5
95°	35.0	41.7	43.1	43.1	41.7
97.5°	58.6	64.6	67.3	67.3	67.3
100°	85.5	90.9	92.9	92.9	92.2
102.5°	113.7	117.8	120.5	121.1	120.5
105°	144.7	146.7	148.1	149.4	149.4
107.5°	175.7	178.3	178.3	179.0	175.7
110°	205.3	209.3	209.3	209.3	207.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	237.6	241.6	240.9	238.9	237.6
115°	269.2	273.2	271.9	271.2	269.2
117.5°	300.8	306.2	302.8	300.8	298.8
120°	332.5	337.8	332.5	332.5	330.4
122.5°	361.4	368.1	364.8	362.7	361.4
125°	391.7	397.7	395.7	393.7	393.0
127.5°	421.3	428.7	426.0	423.3	421.3
130°	448.9	457.6	456.3	454.9	452.3
132.5°	479.8	486.6	487.2	483.9	481.9
135°	506.8	514.2	515.5	514.8	512.8
137.5°	536.4	542.4	543.8	543.1	540.4
140°	562.6	568.7	572.0	572.0	569.4
142.5°	589.5	595.6	597.6	598.3	595.6
145°	615.1	619.8	623.9	624.5	621.8
147.5°	638.0	644.1	646.7	648.1	645.4
150°	661.6	665.6	668.3	670.3	668.3
152.5°	682.4	686.5	689.8	692.5	689.8
155°	703.3	705.3	707.3	710.7	708.7
157.5°	721.4	722.8	724.1	728.9	725.5
160°	737.6	738.9	739.6	743.7	741.0
162.5°	752.4	752.4	753.1	757.8	754.4
165°	765.2	764.5	764.5	769.2	765.9
167.5°	776.6	774.6	774.6	779.3	776.0
170°	785.4	783.4	782.7	787.4	783.4
172.5°	791.4	789.4	788.7	793.5	789.4
175°	796.2	794.1	792.8	797.5	793.5
177.5°	798.8	796.8	795.5	799.5	795.5
180°	797.5	797.5	797.5	797.5	797.5

(END OF REPORT)