

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: P334493

Luminaire Tested: **S122IP-S925U927-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334493
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-S925U927-4F0-1E-UDD-1
Description: DEFINE 2 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2621.8 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

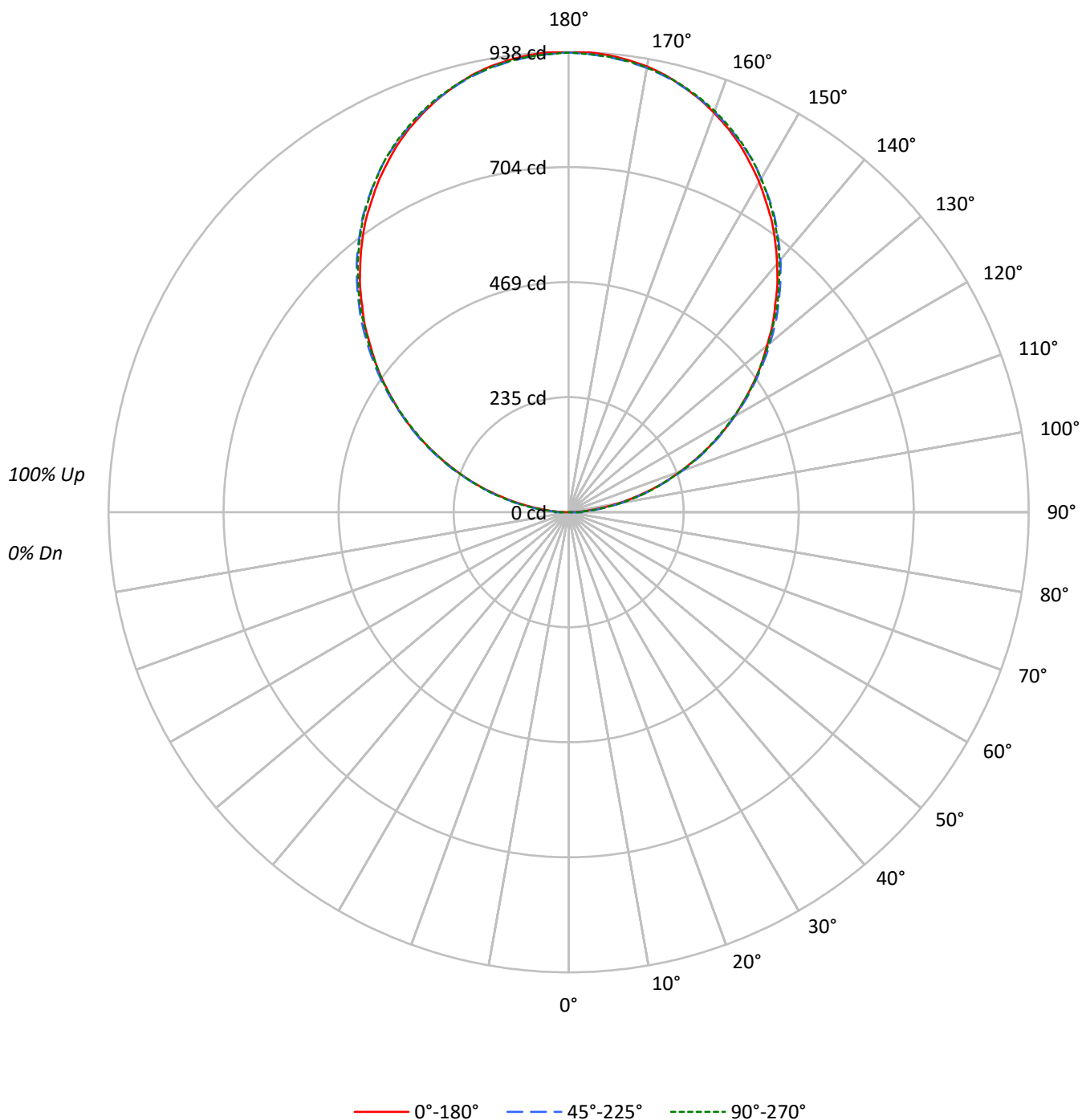
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.7	0.1
90°-100°	58.0	2.2
100°-110°	184.2	7.0
110°-120°	315.2	12.0
120°-130°	414.6	15.8
130°-140°	465.4	17.8
140°-150°	456.4	17.4
150°-160°	382.8	14.6
160°-170°	253.9	9.7
170°-180°	88.7	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.7	0.1
90°-120°	557.4	21.3
90°-150°	1893.7	72.2
90°-180°	2619.0	99.9
0°-180°	2621.8	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	10	28	26	27	3
95°	41	49	51	51	49	46
105°	170	172	174	176	176	179
115°	316	321	319	319	316	313
125°	460	467	465	462	462	411
135°	595	604	606	605	602	460
145°	723	728	733	734	730	451
155°	826	828	831	835	832	380
165°	899	898	898	904	900	254
175°	935	933	931	937	932	89
180°	937	937	937	937	937	

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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°	0.8	10.3	27.7	26.1	26.9
92.5°	17.4	23.7	24.5	25.3	25.3
95°	41.1	49.0	50.6	50.6	49.0
97.5°	68.8	75.9	79.1	79.1	79.1
100°	100.4	106.7	109.1	109.1	108.3
102.5°	133.6	138.3	141.5	142.3	141.5
105°	170.0	172.3	173.9	175.5	175.5
107.5°	206.3	209.5	209.5	210.3	206.3
110°	241.1	245.9	245.9	245.9	243.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	279.1	283.8	283.0	280.6	279.1
115°	316.2	321.0	319.4	318.6	316.2
117.5°	353.4	359.7	355.8	353.4	351.0
120°	390.5	396.9	390.5	390.5	388.2
122.5°	424.5	432.4	428.5	426.1	424.5
125°	460.1	467.2	464.8	462.5	461.7
127.5°	494.9	503.6	500.4	497.3	494.9
130°	527.3	537.6	536.0	534.4	531.3
132.5°	563.7	571.6	572.4	568.4	566.0
135°	595.3	604.0	605.6	604.8	602.4
137.5°	630.1	637.2	638.8	638.0	634.8
140°	660.9	668.0	672.0	672.0	668.8
142.5°	692.5	699.6	702.0	702.8	699.6
145°	722.6	728.1	732.8	733.6	730.5
147.5°	749.5	756.6	759.7	761.3	758.1
150°	777.1	781.9	785.0	787.4	785.0
152.5°	801.6	806.4	810.3	813.5	810.3
155°	826.1	828.5	830.9	834.8	832.5
157.5°	847.5	849.1	850.6	856.2	852.2
160°	866.5	868.0	868.8	873.6	870.4
162.5°	883.8	883.8	884.6	890.2	886.2
165°	898.9	898.1	898.1	903.6	899.7
167.5°	912.3	909.9	909.9	915.5	911.5
170°	922.6	920.2	919.4	925.0	920.2
172.5°	929.7	927.3	926.5	932.1	927.3
175°	935.2	932.9	931.3	936.8	932.1
177.5°	938.4	936.0	934.4	939.2	934.4
180°	936.8	936.8	936.8	936.8	936.8

(END OF REPORT)