

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: P334568

Luminaire Tested: **S122IP-S925U930-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122IP-S925U930-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3018.6 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

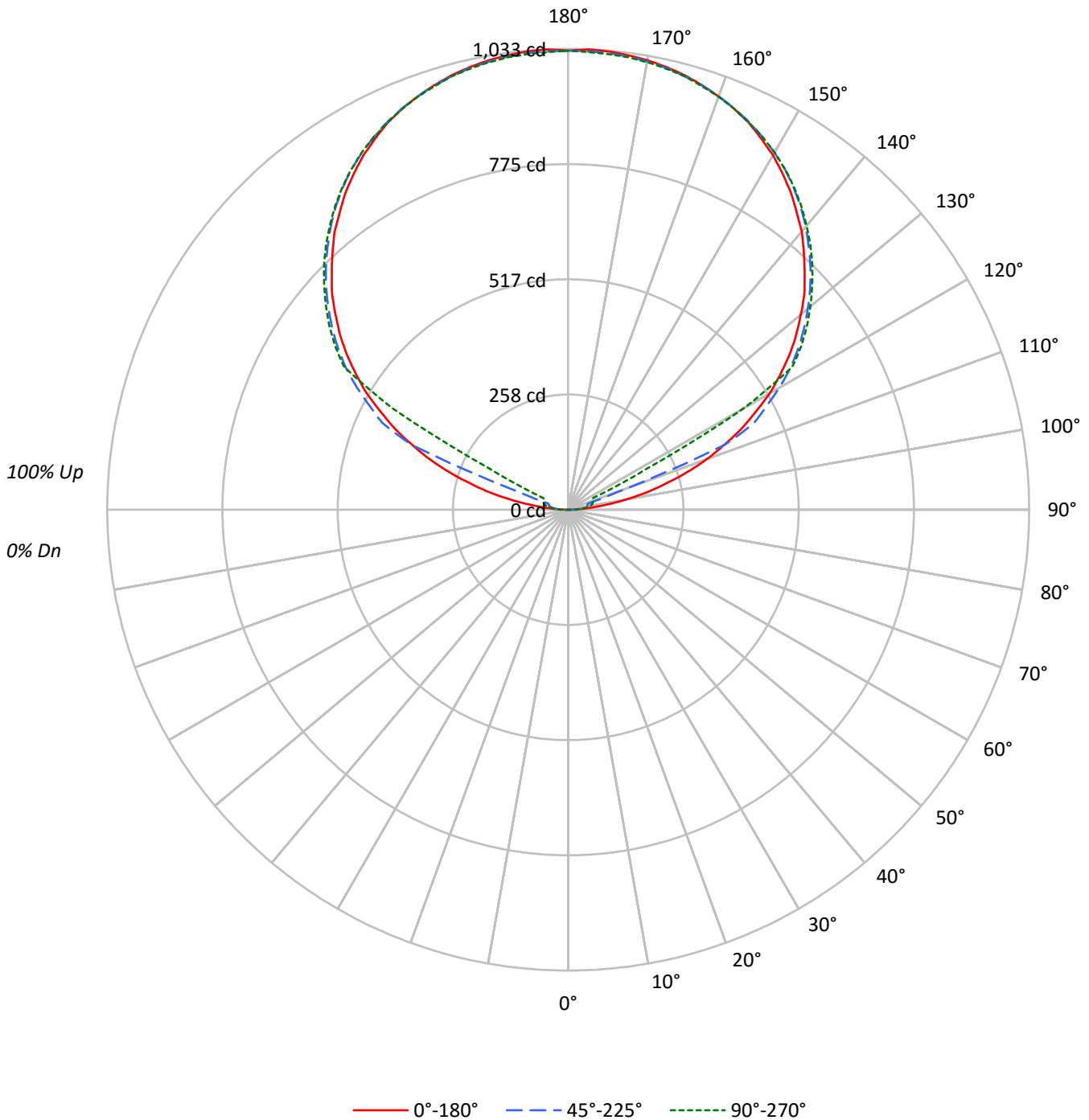
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

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°	1.8	0.1
90°-100°	33.9	1.1
100°-110°	126.5	4.2
110°-120°	335.5	11.1
120°-130°	556.4	18.4
130°-140°	591.0	19.6
140°-150°	549.3	18.2
150°-160°	441.6	14.6
160°-170°	284.6	9.4
170°-180°	97.9	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.8	0.1
90°-120°	495.9	16.4
90°-150°	2192.7	72.6
90°-180°	3017.0	99.9
0°-180°	3018.6	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	15	19	20	3
95°	48	24	29	33	32	57
105°	226	249	45	54	57	242
115°	428	441	459	115	61	421
125°	605	615	629	634	637	540
135°	749	761	768	775	774	579
145°	869	868	881	886	882	544
155°	957	950	959	964	958	441
165°	1008	1004	1006	1011	1006	285
175°	1031	1026	1028	1033	1025	98
180°	1029	1029	1029	1029	1029	



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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	8.9	14.9	18.6	20.1
92.5°	18.6	15.6	17.9	19.4	20.1
95°	48.4	23.8	29.0	32.8	32.0
97.5°	87.1	26.1	38.0	40.2	41.0
100°	131.8	29.8	42.4	48.4	49.9
102.5°	180.9	179.5	43.9	52.1	54.4
105°	226.4	248.7	45.4	53.6	56.6
107.5°	279.2	297.8	46.9	55.1	58.1
110°	329.9	345.5	130.3	55.8	58.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	377.5	390.9	378.3	57.3	59.6
115°	428.1	440.8	459.4	114.7	61.1
117.5°	472.1	487.0	499.6	393.2	198.1
120°	521.2	532.4	545.8	554.7	454.2
122.5°	562.9	574.8	589.7	594.2	594.9
125°	605.4	615.0	629.2	634.4	636.6
127.5°	644.1	654.5	665.7	673.1	673.9
130°	680.6	692.5	700.7	708.9	708.1
132.5°	717.8	727.5	735.7	742.4	741.6
135°	749.1	761.0	767.7	775.1	773.6
137.5°	781.8	790.8	798.2	805.7	803.4
140°	813.9	819.8	828.0	834.7	831.0
142.5°	840.7	845.9	855.6	861.5	857.8
145°	869.0	868.2	880.9	886.1	882.4
147.5°	893.5	891.3	904.0	907.7	904.7
150°	917.4	912.1	924.1	928.5	924.8
152.5°	937.5	931.5	942.7	947.1	941.9
155°	956.8	950.1	959.1	963.5	957.6
157.5°	972.5	966.5	973.2	978.4	972.5
160°	985.9	981.4	985.9	990.3	985.1
162.5°	997.8	993.3	997.0	1002.2	995.5
165°	1008.2	1003.7	1006.0	1011.2	1006.0
167.5°	1016.4	1011.9	1014.2	1019.4	1012.7
170°	1023.1	1018.6	1020.1	1025.3	1018.6
172.5°	1027.6	1023.1	1024.6	1029.8	1023.1
175°	1031.3	1026.1	1027.6	1032.8	1025.3
177.5°	1032.8	1027.6	1028.3	1033.5	1026.8
180°	1029.0	1029.0	1029.0	1029.0	1029.0

(END OF REPORT)