

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: P334578

Luminaire Tested: **S122IP-S925U940-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334578
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-S925U940-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3301.5 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

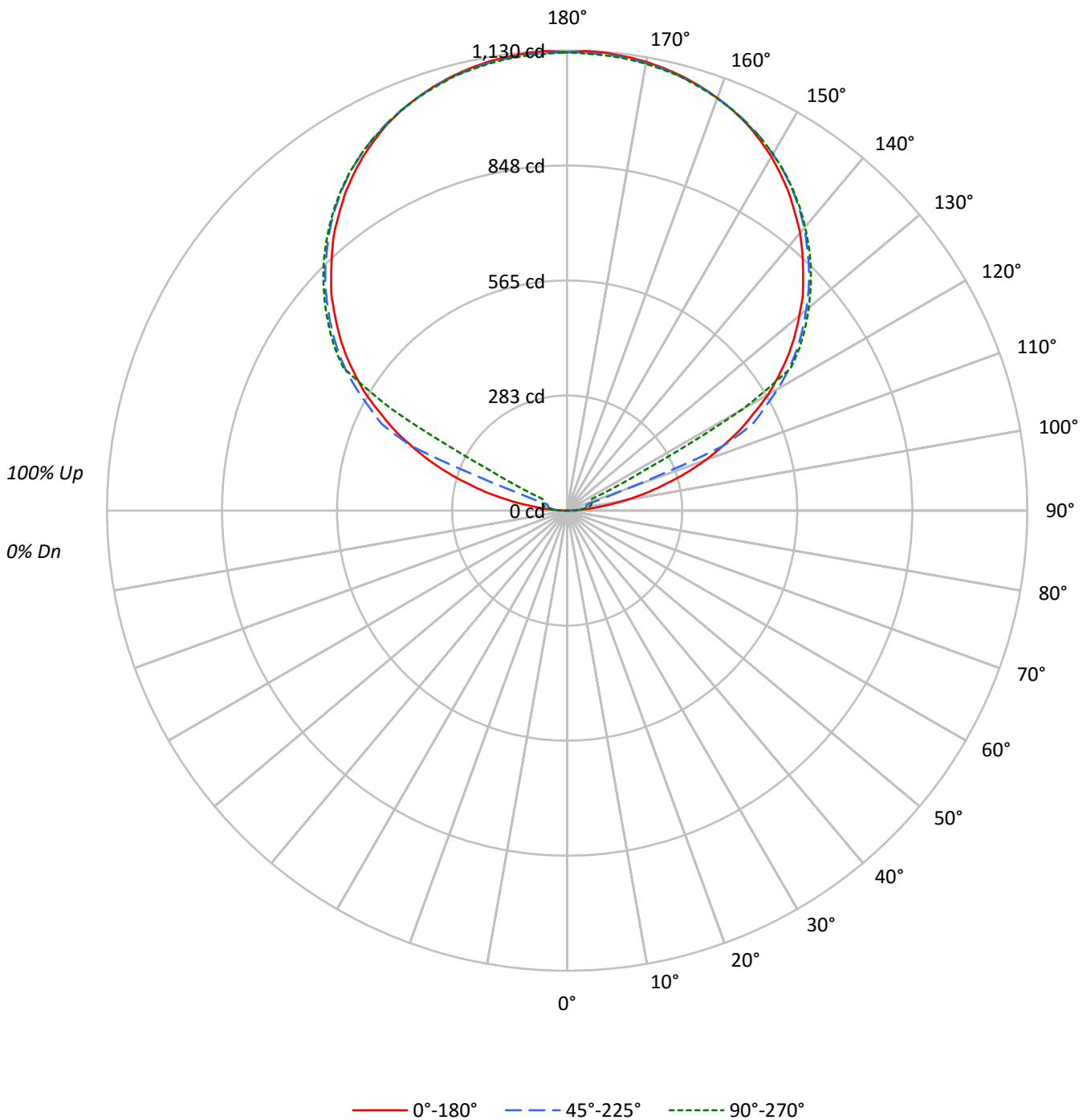
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.0	0.1
90°-100°	37.1	1.1
100°-110°	138.3	4.2
110°-120°	366.9	11.1
120°-130°	608.6	18.4
130°-140°	646.4	19.6
140°-150°	600.8	18.2
150°-160°	483.0	14.6
160°-170°	311.2	9.4
170°-180°	107.1	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.0	0.1
90°-120°	542.4	16.4
90°-150°	2398.2	72.6
90°-180°	3300.0	100.0
0°-180°	3301.5	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	16	20	22	3
95°	53	26	32	36	35	63
105°	248	272	50	59	62	265
115°	468	482	502	125	67	461
125°	662	673	688	694	696	591
135°	819	832	840	848	846	633
145°	950	950	963	969	965	594
155°	1046	1039	1049	1054	1047	482
165°	1103	1098	1100	1106	1100	312
175°	1128	1122	1124	1130	1121	107
180°	1126	1126	1126	1126	1126	



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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	9.8	16.3	20.4	22.0
92.5°	20.4	17.1	19.5	21.2	22.0
95°	52.9	26.1	31.8	35.8	35.0
97.5°	95.3	28.5	41.5	44.0	44.8
100°	144.1	32.6	46.4	52.9	54.6
102.5°	197.9	196.3	48.0	57.0	59.5
105°	247.6	272.0	49.7	58.6	61.9
107.5°	305.4	325.8	51.3	60.3	63.5
110°	360.8	377.9	142.5	61.1	64.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	412.9	427.6	413.7	62.7	65.2
115°	468.3	482.1	502.5	125.4	66.8
117.5°	516.3	532.6	546.5	430.0	216.6
120°	570.1	582.3	597.0	606.7	496.8
122.5°	615.7	628.7	645.0	649.9	650.7
125°	662.1	672.7	688.2	693.9	696.3
127.5°	704.5	715.9	728.1	736.2	737.0
130°	744.4	757.4	766.3	775.3	774.5
132.5°	785.1	795.7	804.6	812.0	811.1
135°	819.3	832.3	839.6	847.8	846.2
137.5°	855.1	864.9	873.0	881.2	878.7
140°	890.1	896.6	905.6	912.9	908.9
142.5°	919.5	925.2	935.7	942.3	938.2
145°	950.4	949.6	963.4	969.1	965.1
147.5°	977.3	974.8	988.7	992.7	989.5
150°	1003.3	997.6	1010.7	1015.5	1011.5
152.5°	1025.3	1018.8	1031.0	1035.9	1030.2
155°	1046.5	1039.2	1048.9	1053.8	1047.3
157.5°	1063.6	1057.1	1064.4	1070.1	1063.6
160°	1078.3	1073.4	1078.3	1083.1	1077.4
162.5°	1091.3	1086.4	1090.5	1096.2	1088.8
165°	1102.7	1097.8	1100.2	1105.9	1100.2
167.5°	1111.6	1106.8	1109.2	1114.9	1107.6
170°	1119.0	1114.1	1115.7	1121.4	1114.1
172.5°	1123.9	1119.0	1120.6	1126.3	1119.0
175°	1127.9	1122.2	1123.9	1129.6	1121.4
177.5°	1129.6	1123.9	1124.7	1130.4	1123.0
180°	1125.5	1125.5	1125.5	1125.5	1125.5

(END OF REPORT)