

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: P334548

Luminaire Tested: **S122IP-S925U830-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334548
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-S925U830-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3489.7 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

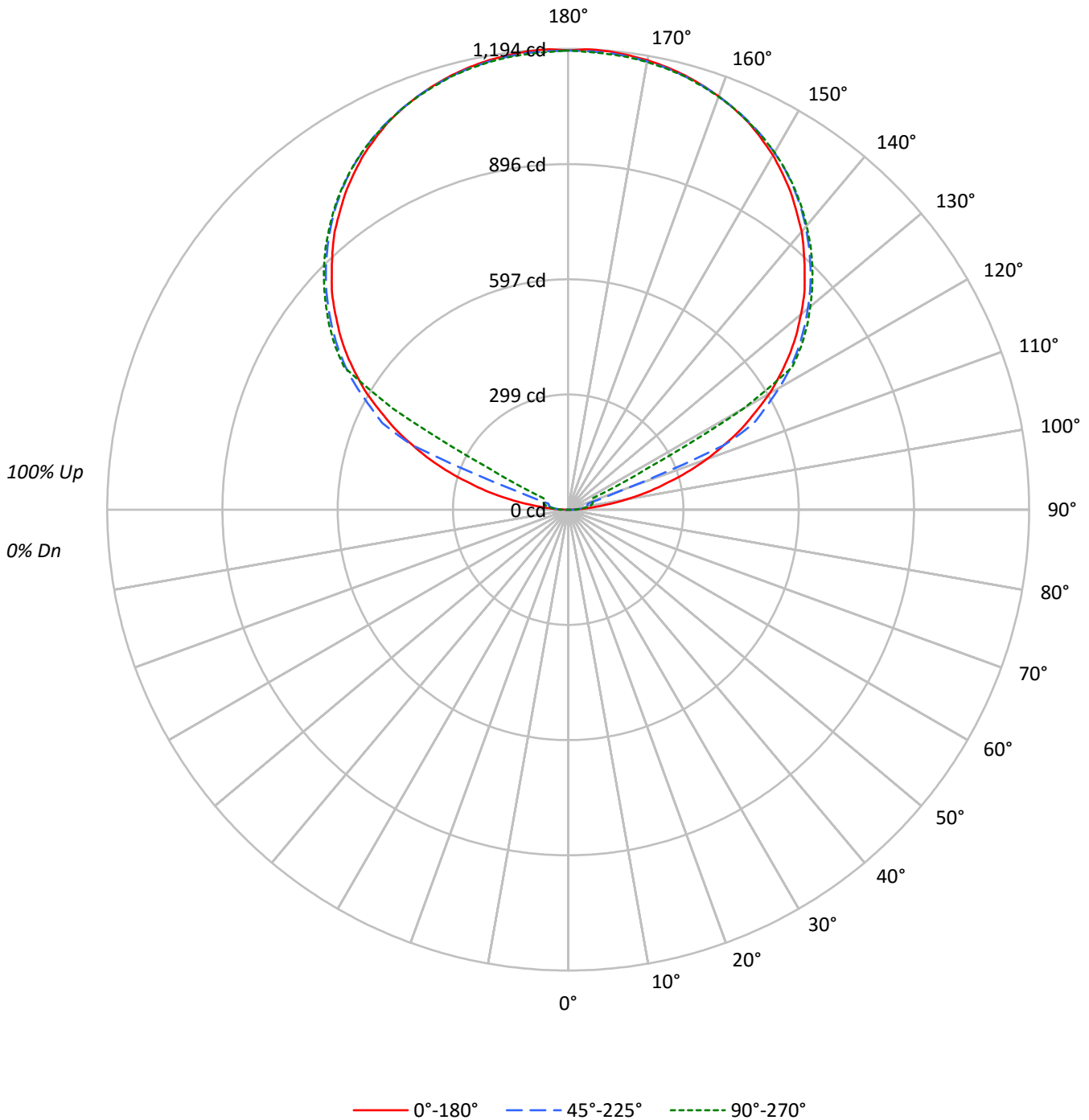
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.1	0.1
90°-100°	39.2	1.1
100°-110°	146.2	4.2
110°-120°	387.8	11.1
120°-130°	643.3	18.4
130°-140°	683.3	19.6
140°-150°	635.0	18.2
150°-160°	510.5	14.6
160°-170°	329.0	9.4
170°-180°	113.2	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.1	0.1
90°-120°	573.3	16.4
90°-150°	2534.9	72.6
90°-180°	3488.0	100.0
0°-180°	3489.7	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	17	22	23	3
95°	56	28	34	38	37	66
105°	262	288	52	62	65	280
115°	495	510	531	133	71	487
125°	700	711	727	733	736	624
135°	866	880	888	896	894	669
145°	1005	1004	1018	1024	1020	628
155°	1106	1098	1109	1114	1107	510
165°	1166	1160	1163	1169	1163	329
175°	1192	1186	1188	1194	1185	113
180°	1190	1190	1190	1190	1190	



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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°	0.9	10.3	17.2	21.5	23.2
92.5°	21.5	18.1	20.7	22.4	23.2
95°	56.0	27.5	33.6	37.9	37.0
97.5°	100.7	30.1	43.9	46.5	47.3
100°	152.4	34.4	49.1	56.0	57.7
102.5°	209.2	207.5	50.8	60.3	62.8
105°	261.7	287.5	52.5	62.0	65.4
107.5°	322.8	344.3	54.2	63.7	67.1
110°	381.3	399.4	150.6	64.6	68.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	436.4	451.9	437.3	66.3	68.9
115°	495.0	509.6	531.1	132.6	70.6
117.5°	545.8	563.0	577.6	454.5	229.0
120°	602.6	615.5	631.0	641.3	525.1
122.5°	650.8	664.6	681.8	686.9	687.8
125°	699.8	711.0	727.4	733.4	736.0
127.5°	744.6	756.7	769.6	778.2	779.0
130°	786.8	800.6	810.0	819.5	818.6
132.5°	829.8	841.0	850.5	858.2	857.4
135°	866.0	879.8	887.5	896.1	894.4
137.5°	903.9	914.2	922.8	931.4	928.8
140°	940.9	947.8	957.2	965.0	960.7
142.5°	971.9	977.9	989.1	996.0	991.7
145°	1004.6	1003.7	1018.3	1024.4	1020.1
147.5°	1033.0	1030.4	1045.0	1049.3	1045.9
150°	1060.5	1054.5	1068.3	1073.4	1069.1
152.5°	1083.8	1076.9	1089.8	1095.0	1088.9
155°	1106.2	1098.4	1108.7	1113.9	1107.0
157.5°	1124.2	1117.3	1125.1	1131.1	1124.2
160°	1139.7	1134.6	1139.7	1144.9	1138.9
162.5°	1153.5	1148.3	1152.6	1158.7	1150.9
165°	1165.5	1160.4	1163.0	1169.0	1163.0
167.5°	1175.0	1169.9	1172.4	1178.5	1170.7
170°	1182.8	1177.6	1179.3	1185.3	1177.6
172.5°	1187.9	1182.8	1184.5	1190.5	1182.8
175°	1192.2	1186.2	1187.9	1194.0	1185.3
177.5°	1194.0	1187.9	1188.8	1194.8	1187.1
180°	1189.7	1189.7	1189.7	1189.7	1189.7

(END OF REPORT)