

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: P334478

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334478
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-S925U830-4F0-1E-UDD-1
Description: DEFINE 2 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

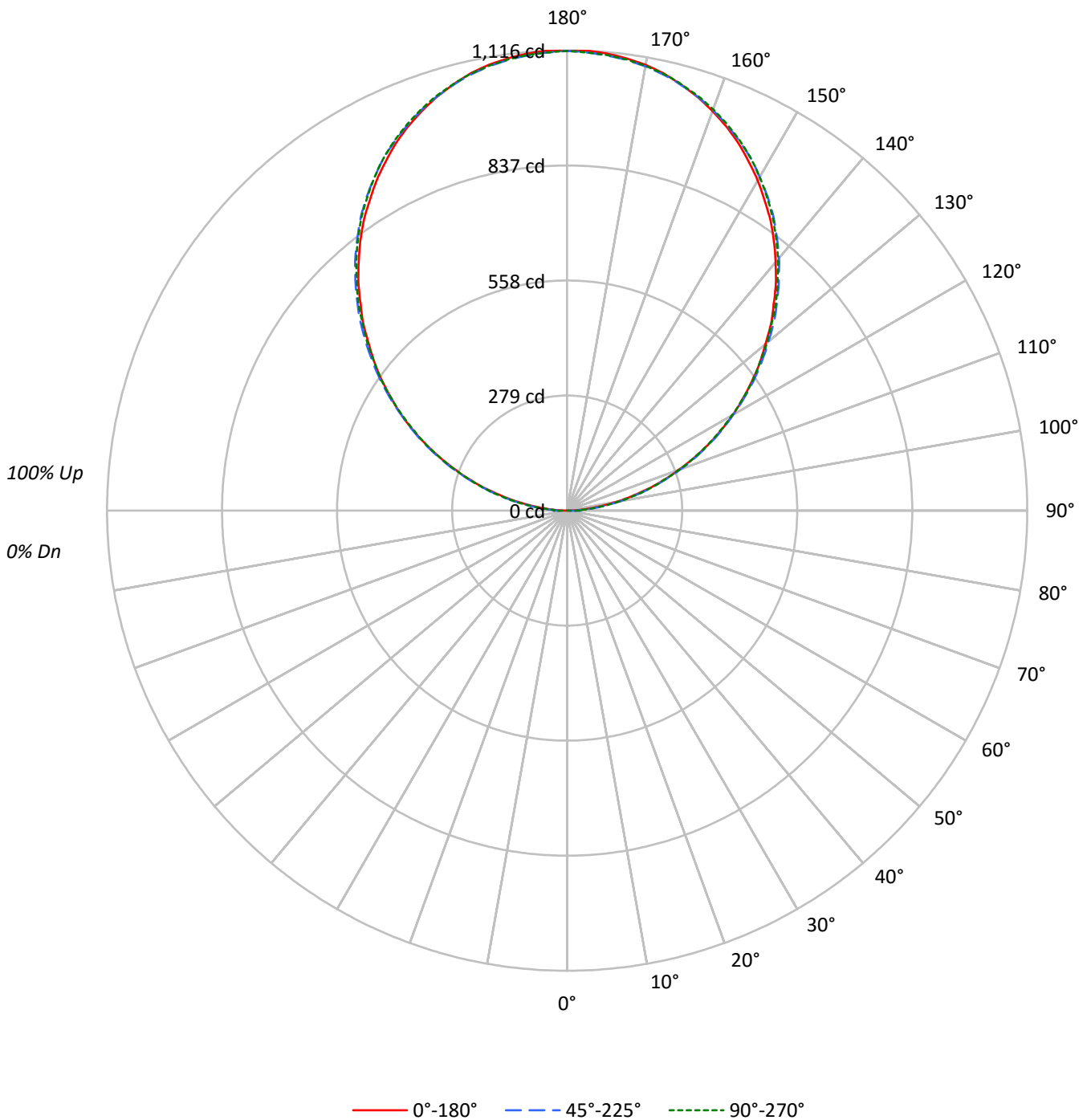
Lumens per Lamp: N/A
Luminaire Lumens: 3119.5 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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°	3.2	0.1
90°-100°	68.9	2.2
100°-110°	219.2	7.0
110°-120°	375.1	12.0
120°-130°	493.3	15.8
130°-140°	553.7	17.7
140°-150°	543.0	17.4
150°-160°	455.5	14.6
160°-170°	302.1	9.7
170°-180°	105.6	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.2	0.1
90°-120°	663.2	21.3
90°-150°	2253.2	72.2
90°-180°	3116.0	99.9
0°-180°	3119.5	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	12	33	31	32	3
95°	49	58	60	60	58	55
105°	202	205	207	209	209	214
115°	376	382	380	379	376	372
125°	547	556	553	550	549	489
135°	708	719	720	720	717	547
145°	860	866	872	873	869	537
155°	983	986	989	993	990	452
165°	1070	1068	1068	1075	1070	302
175°	1113	1110	1108	1115	1109	106
180°	1115	1115	1115	1115	1115	



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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	12.2	32.9	31.0	32.0
92.5°	20.7	28.2	29.2	30.1	30.1
95°	48.9	58.3	60.2	60.2	58.3
97.5°	81.8	90.3	94.1	94.1	94.1
100°	119.5	127.0	129.8	129.8	128.9
102.5°	159.0	164.6	168.4	169.3	168.4
105°	202.2	205.1	206.9	208.8	208.8
107.5°	245.5	249.3	249.3	250.2	245.5
110°	286.9	292.5	292.5	292.5	289.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	332.0	337.7	336.7	333.9	332.0
115°	376.2	381.9	380.0	379.1	376.2
117.5°	420.5	428.0	423.3	420.5	417.6
120°	464.7	472.2	464.7	464.7	461.8
122.5°	505.1	514.5	509.8	507.0	505.1
125°	547.4	555.9	553.1	550.3	549.3
127.5°	588.8	599.2	595.4	591.6	588.8
130°	627.4	639.6	637.7	635.9	632.1
132.5°	670.7	680.1	681.0	676.3	673.5
135°	708.3	718.6	720.5	719.6	716.7
137.5°	749.7	758.1	760.0	759.1	755.3
140°	786.4	794.8	799.5	799.5	795.8
142.5°	824.0	832.4	835.3	836.2	832.4
145°	859.7	866.3	871.9	872.9	869.1
147.5°	891.7	900.2	903.9	905.8	902.0
150°	924.6	930.3	934.0	936.9	934.0
152.5°	953.8	959.4	964.1	967.9	964.1
155°	982.9	985.8	988.6	993.3	990.5
157.5°	1008.3	1010.2	1012.1	1018.7	1014.0
160°	1030.9	1032.8	1033.7	1039.4	1035.6
162.5°	1051.6	1051.6	1052.5	1059.1	1054.4
165°	1069.5	1068.5	1068.5	1075.1	1070.4
167.5°	1085.5	1082.6	1082.6	1089.2	1084.5
170°	1097.7	1094.9	1093.9	1100.5	1094.9
172.5°	1106.2	1103.3	1102.4	1109.0	1103.3
175°	1112.7	1109.9	1108.0	1114.6	1109.0
177.5°	1116.5	1113.7	1111.8	1117.4	1111.8
180°	1114.6	1114.6	1114.6	1114.6	1114.6

(END OF REPORT)