

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: P335088

Luminaire Tested: **S125IP-S1035U927-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125IP-S1035U927-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

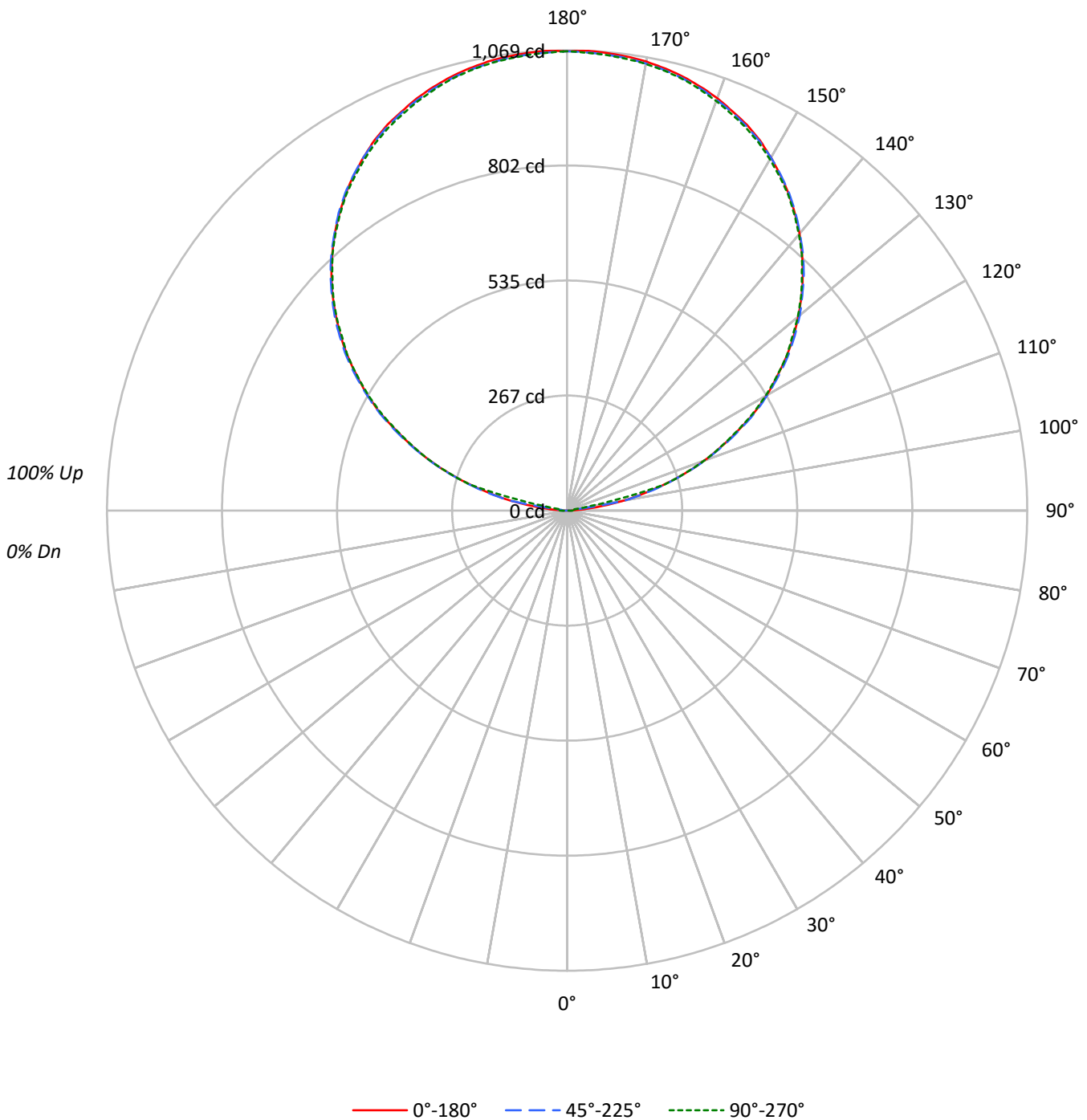
Lumens per Lamp: N/A
Luminaire Lumens: 3279.2 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	1.6	0.0
90°-100°	36.2	1.1
100°-110°	240.8	7.3
110°-120°	433.7	13.2
120°-130°	556.6	17.0
130°-140°	598.7	18.3
140°-150°	561.9	17.1
150°-160°	454.5	13.9
160°-170°	293.9	9.0
170°-180°	101.4	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.6	0.0
90°-120°	710.7	21.7
90°-150°	2427.8	74.0
90°-180°	3278.0	100.0
0°-180°	3279.2	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	7	13	17	19	2
95°	45	43	13	17	17	55
105°	232	236	236	236	235	246
115°	437	441	441	438	434	433
125°	621	626	626	623	621	555
135°	774	779	778	776	771	597
145°	898	899	899	900	895	561
155°	989	984	986	988	982	456
165°	1043	1038	1039	1044	1038	295
175°	1067	1062	1063	1069	1062	102
180°	1067	1067	1067	1067	1067	



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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	7.1	12.7	16.6	19.0
92.5°	15.0	7.9	12.7	16.6	17.4
95°	45.1	42.7	12.7	16.6	16.6
97.5°	84.6	89.4	14.2	15.8	16.6
100°	132.1	134.5	137.6	19.8	16.6
102.5°	180.3	183.5	185.1	186.7	120.2
105°	232.5	235.7	235.7	235.7	234.9
107.5°	286.3	286.3	287.9	288.7	285.5
110°	338.5	338.5	340.1	337.7	338.5



TEST NUMBER: P335088

CATALOG NUMBER: S125IP-S1035U927-4F0-1E-UDD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	387.6	389.9	390.7	387.6	386.0
115°	436.6	440.6	441.4	438.2	433.5
117.5°	488.0	488.0	491.2	486.4	484.9
120°	535.5	534.7	537.1	535.5	531.5
122.5°	577.4	581.4	582.2	580.6	575.8
125°	620.9	626.4	626.4	623.3	620.9
127.5°	662.8	666.8	666.0	664.4	658.1
130°	700.8	704.8	705.5	703.2	699.2
132.5°	738.8	743.5	741.1	741.1	737.2
135°	774.4	779.1	777.5	775.9	771.2
137.5°	807.6	812.3	810.7	810.7	806.8
140°	840.0	841.6	840.8	842.4	837.6
142.5°	869.3	870.1	871.6	871.6	866.9
145°	897.7	899.3	899.3	900.1	895.4
147.5°	923.1	923.1	923.9	924.6	919.1
150°	946.8	945.2	946.8	948.4	942.0
152.5°	969.7	965.8	967.4	968.9	963.4
155°	988.7	984.0	985.5	987.9	981.6
157.5°	1003.7	1001.4	1001.4	1003.7	997.4
160°	1019.6	1014.8	1015.6	1018.8	1012.4
162.5°	1032.2	1027.5	1028.3	1033.0	1025.9
165°	1043.3	1038.5	1039.3	1044.1	1037.7
167.5°	1052.0	1047.2	1048.0	1053.6	1046.5
170°	1059.1	1053.6	1054.4	1060.7	1053.6
172.5°	1063.9	1058.3	1059.9	1065.4	1058.3
175°	1067.0	1062.3	1063.1	1069.4	1062.3
177.5°	1069.4	1064.6	1065.4	1071.0	1064.6
180°	1067.0	1067.0	1067.0	1067.0	1067.0

(END OF REPORT)