

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: P335093

Luminaire Tested: **S125IP-S1035U930-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335093
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-S1035U930-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

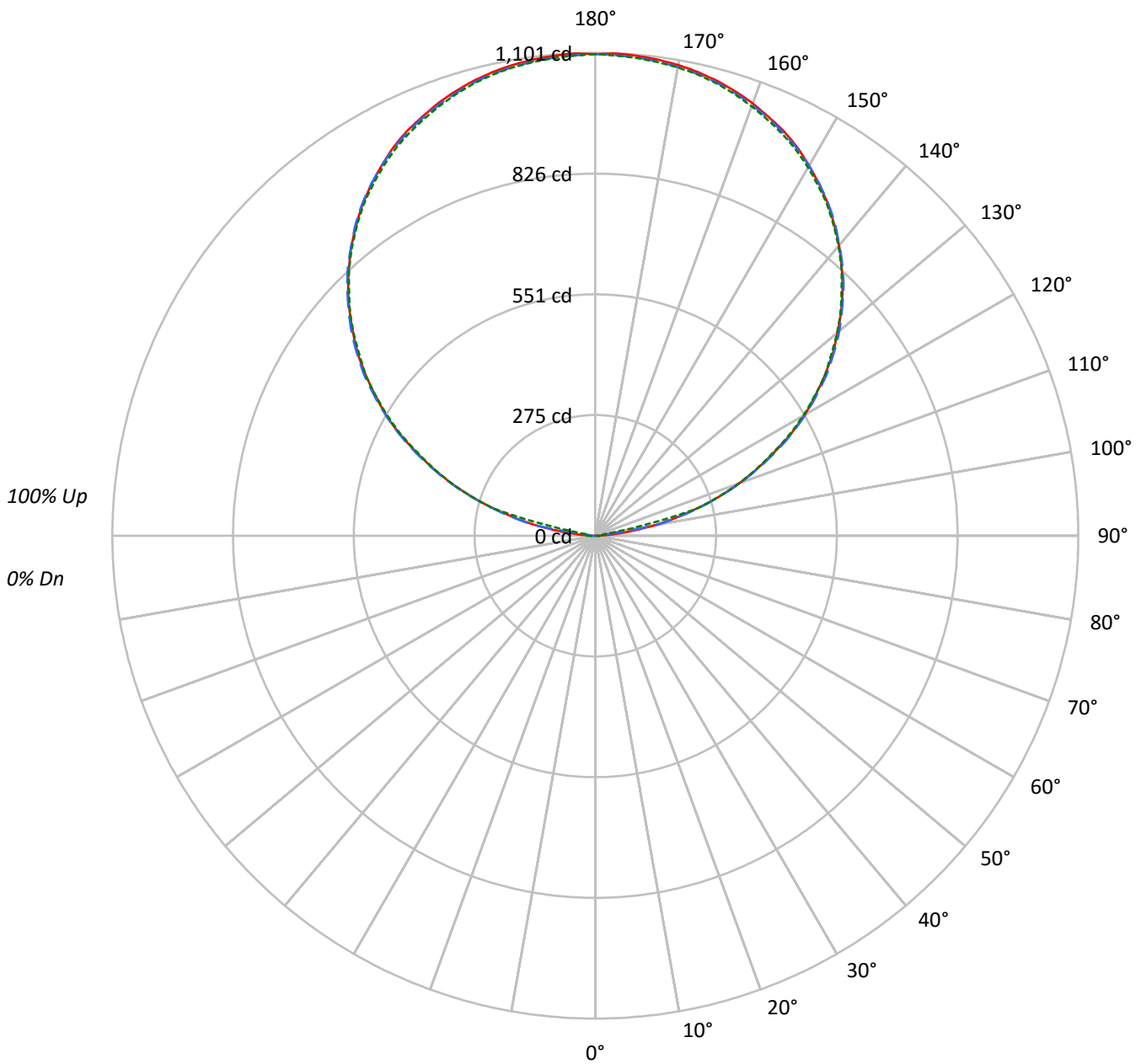
Lumens per Lamp: N/A
Luminaire Lumens: 3374.9 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	37.3	1.1
100°-110°	247.8	7.3
110°-120°	446.3	13.2
120°-130°	572.9	17.0
130°-140°	616.1	18.3
140°-150°	578.3	17.1
150°-160°	467.8	13.9
160°-170°	302.5	9.0
170°-180°	104.3	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°	731.4	21.7
90°-150°	2498.7	74.0
90°-180°	3373.0	99.9
0°-180°	3374.9	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	20	2
95°	46	44	13	17	17	57
105°	239	243	243	243	242	254
115°	449	453	454	451	446	445
125°	639	645	645	642	639	571
135°	797	802	800	799	794	614
145°	924	926	926	926	922	578
155°	1018	1013	1014	1017	1010	469
165°	1074	1069	1070	1074	1068	303
175°	1098	1093	1094	1101	1093	105
180°	1098	1098	1098	1098	1098	



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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	7.3	13.0	17.1	19.5
92.5°	15.5	8.1	13.0	17.1	17.9
95°	46.4	44.0	13.0	17.1	17.1
97.5°	87.1	92.0	14.7	16.3	17.1
100°	135.9	138.4	141.6	20.4	17.1
102.5°	185.6	188.9	190.5	192.1	123.7
105°	239.3	242.6	242.6	242.6	241.8
107.5°	294.7	294.7	296.3	297.1	293.9
110°	348.4	348.4	350.0	347.6	348.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	398.9	401.3	402.1	398.9	397.3
115°	449.4	453.4	454.2	451.0	446.1
117.5°	502.3	502.3	505.5	500.6	499.0
120°	551.1	550.3	552.7	551.1	547.0
122.5°	594.3	598.3	599.1	597.5	592.6
125°	639.0	644.7	644.7	641.5	639.0
127.5°	682.2	686.2	685.4	683.8	677.3
130°	721.2	725.3	726.1	723.7	719.6
132.5°	760.3	765.2	762.8	762.8	758.7
135°	797.0	801.8	800.2	798.6	793.7
137.5°	831.1	836.0	834.4	834.4	830.3
140°	864.5	866.1	865.3	867.0	862.1
142.5°	894.6	895.5	897.1	897.1	892.2
145°	923.9	925.6	925.6	926.4	921.5
147.5°	950.0	950.0	950.8	951.6	945.9
150°	974.4	972.8	974.4	976.0	969.5
152.5°	998.0	994.0	995.6	997.2	991.5
155°	1017.6	1012.7	1014.3	1016.7	1010.2
157.5°	1033.0	1030.6	1030.6	1033.0	1026.5
160°	1049.3	1044.4	1045.2	1048.5	1042.0
162.5°	1062.3	1057.5	1058.3	1063.1	1055.8
165°	1073.7	1068.8	1069.7	1074.5	1068.0
167.5°	1082.7	1077.8	1078.6	1084.3	1077.0
170°	1090.0	1084.3	1085.1	1091.6	1084.3
172.5°	1094.9	1089.2	1090.8	1096.5	1089.2
175°	1098.2	1093.3	1094.1	1100.6	1093.3
177.5°	1100.6	1095.7	1096.5	1102.2	1095.7
180°	1098.2	1098.2	1098.2	1098.2	1098.2

(END OF REPORT)