

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: P335008

Luminaire Tested: **S125IP-S1035U835-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125IP-S1035U835-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3582.4 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

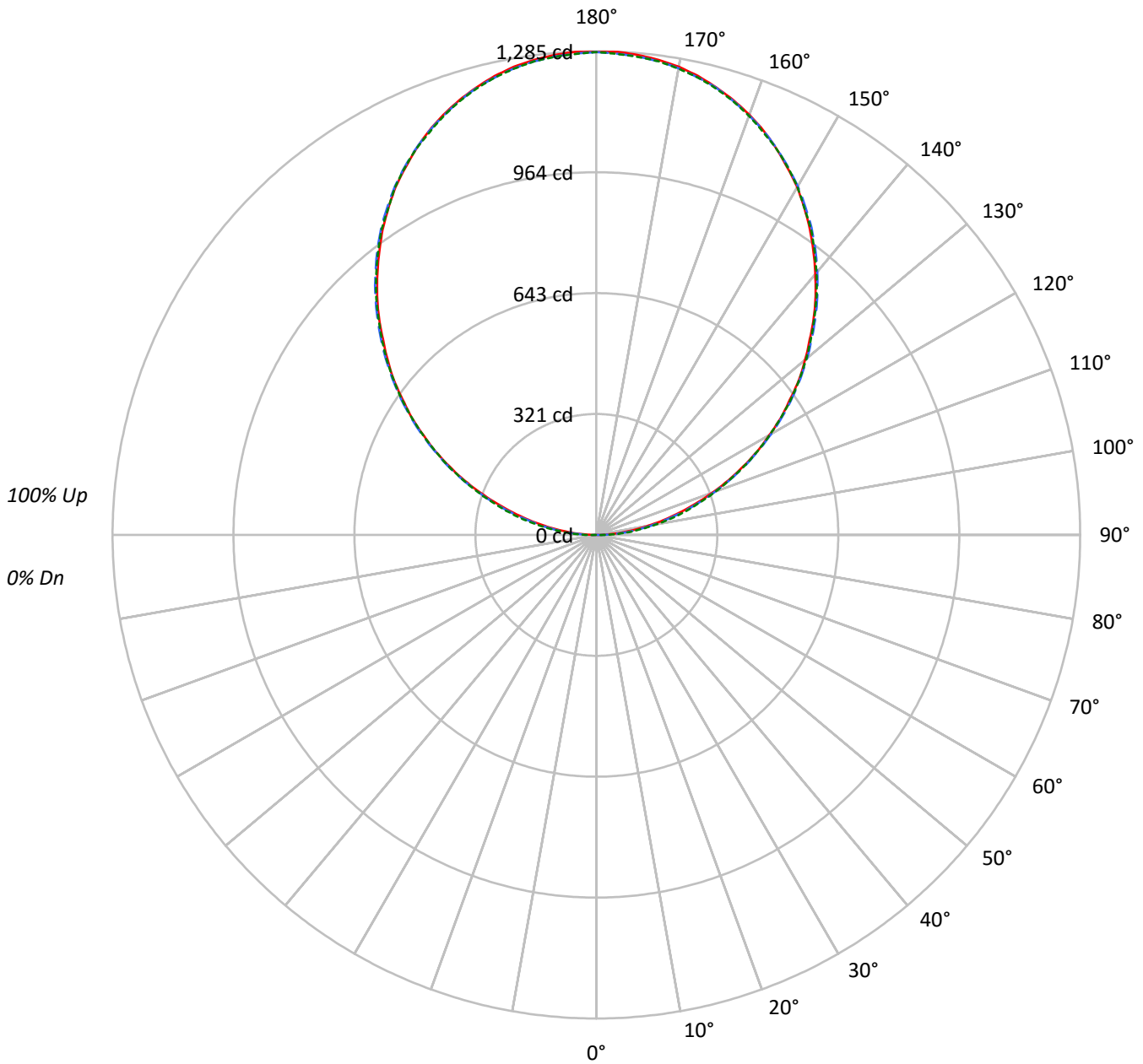
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.0	0.1
90°-100°	85.3	2.4
100°-110°	253.4	7.1
110°-120°	429.8	12.0
120°-130°	565.8	15.8
130°-140°	634.1	17.7
140°-150°	621.5	17.3
150°-160°	522.0	14.6
160°-170°	347.0	9.7
170°-180°	121.4	3.4
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°	768.6	21.5
90°-150°	2589.9	72.3
90°-180°	3580.0	99.9
0°-180°	3582.4	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	9	16	21	24	4
95°	65	67	77	84	86	68
105°	228	233	239	245	248	243
115°	430	434	436	435	434	426
125°	628	634	635	633	632	563
135°	817	823	824	824	820	629
145°	989	993	996	996	993	619
155°	1132	1132	1133	1137	1132	521
165°	1231	1229	1230	1234	1228	347
175°	1280	1276	1276	1282	1275	122
180°	1283	1283	1283	1283	1283	



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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°	1.0	9.0	16.0	21.0	24.0
92.5°	30.0	34.9	43.9	50.9	52.9
95°	64.9	66.9	76.9	83.9	85.9
97.5°	99.8	100.8	114.8	120.8	121.8
100°	139.8	139.8	152.7	161.7	163.7
102.5°	182.7	187.7	192.7	202.7	205.7
105°	227.6	232.6	238.6	244.6	247.6
107.5°	276.5	281.5	286.5	289.5	289.5
110°	327.5	332.5	335.4	338.4	337.4



TEST NUMBER: P335008

CATALOG NUMBER: S125IP-S1035U835-4F0-1E-UDD-1

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	379.4	381.4	385.4	386.4	384.4
115°	430.3	434.3	436.3	435.3	434.3
117.5°	482.2	483.2	485.2	486.2	482.2
120°	530.1	535.1	536.1	536.1	532.1
122.5°	582.0	583.0	586.0	585.0	582.0
125°	628.0	634.0	635.0	633.0	632.0
127.5°	678.9	681.9	682.9	681.9	679.9
130°	723.8	728.8	730.8	729.8	727.8
132.5°	768.7	777.7	776.7	775.7	772.7
135°	816.7	822.6	823.6	823.6	819.6
137.5°	861.6	867.6	869.6	870.6	865.6
140°	904.5	909.5	912.5	914.5	909.5
142.5°	947.4	951.4	955.4	956.4	951.4
145°	989.4	993.4	996.4	996.4	993.4
147.5°	1028.3	1031.3	1033.3	1036.3	1028.3
150°	1067.2	1066.2	1070.2	1070.2	1068.2
152.5°	1099.2	1101.2	1102.2	1105.2	1101.2
155°	1132.1	1132.1	1133.1	1137.1	1132.1
157.5°	1162.1	1160.1	1161.1	1165.1	1158.1
160°	1188.0	1185.0	1186.0	1190.0	1185.0
162.5°	1211.0	1209.0	1209.0	1214.0	1208.0
165°	1231.0	1229.0	1230.0	1234.0	1228.0
167.5°	1248.9	1244.9	1244.9	1250.9	1244.9
170°	1262.9	1258.9	1258.9	1264.9	1257.9
172.5°	1272.9	1268.9	1268.9	1274.9	1268.9
175°	1279.9	1275.9	1275.9	1281.9	1274.9
177.5°	1284.9	1280.9	1279.9	1285.9	1278.9
180°	1282.9	1282.9	1282.9	1282.9	1282.9

(END OF REPORT)