

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: P335028

Luminaire Tested: **S125IP-S1035U935-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335028
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-S1035U935-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3084.5 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

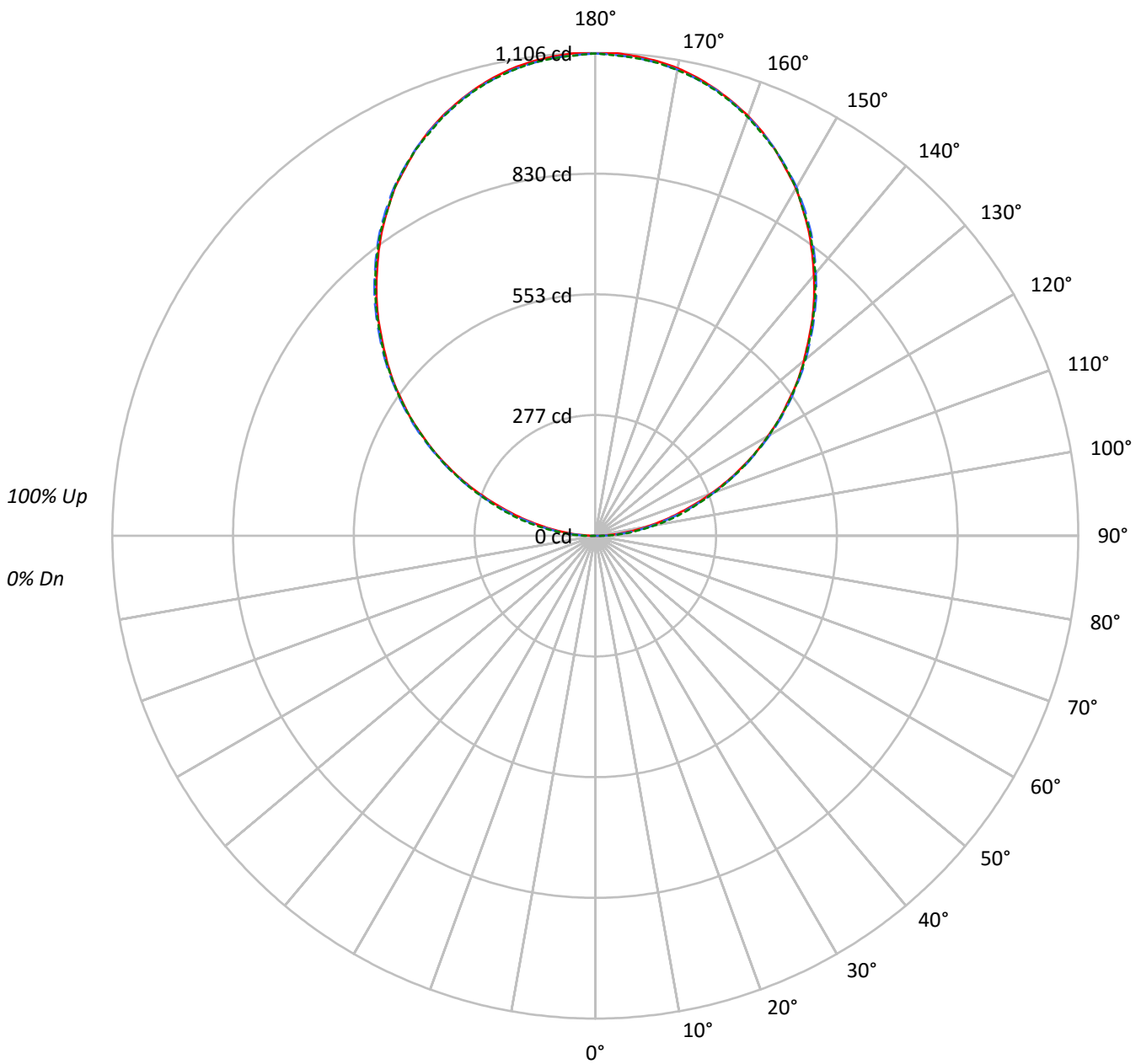
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1.7	0.1
90°-100°	73.5	2.4
100°-110°	218.2	7.1
110°-120°	370.1	12.0
120°-130°	487.2	15.8
130°-140°	545.9	17.7
140°-150°	535.1	17.3
150°-160°	449.5	14.6
160°-170°	298.8	9.7
170°-180°	104.6	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.7	0.1
90°-120°	661.7	21.5
90°-150°	2230.0	72.3
90°-180°	3083.0	100.0
0°-180°	3084.5	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	8	14	18	21	4
95°	56	58	66	72	74	58
105°	196	200	205	211	213	209
115°	370	374	376	375	374	367
125°	541	546	547	545	544	484
135°	703	708	709	709	706	542
145°	852	855	858	858	855	533
155°	975	975	976	979	975	449
165°	1060	1058	1059	1062	1057	299
175°	1102	1098	1098	1104	1098	105
180°	1105	1105	1105	1105	1105	



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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	7.7	13.8	18.1	20.6
92.5°	25.8	30.1	37.8	43.8	45.6
95°	55.9	57.6	66.2	72.2	73.9
97.5°	86.0	86.8	98.9	104.0	104.9
100°	120.3	120.3	131.5	139.3	141.0
102.5°	157.3	161.6	165.9	174.5	177.1
105°	196.0	200.3	205.4	210.6	213.2
107.5°	238.1	242.4	246.7	249.3	249.3
110°	281.9	286.2	288.8	291.4	290.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	326.6	328.4	331.8	332.7	330.9
115°	370.5	373.9	375.6	374.8	373.9
117.5°	415.2	416.0	417.8	418.6	415.2
120°	456.4	460.7	461.6	461.6	458.2
122.5°	501.1	502.0	504.6	503.7	501.1
125°	540.7	545.8	546.7	545.0	544.1
127.5°	584.5	587.1	588.0	587.1	585.4
130°	623.2	627.5	629.2	628.4	626.6
132.5°	661.9	669.6	668.8	667.9	665.3
135°	703.1	708.3	709.2	709.2	705.7
137.5°	741.8	747.0	748.7	749.6	745.3
140°	778.8	783.1	785.7	787.4	783.1
142.5°	815.7	819.2	822.6	823.5	819.2
145°	851.8	855.3	857.9	857.9	855.3
147.5°	885.4	887.9	889.7	892.2	885.4
150°	918.9	918.0	921.5	921.5	919.8
152.5°	946.4	948.1	949.0	951.6	948.1
155°	974.8	974.8	975.6	979.1	974.8
157.5°	1000.6	998.8	999.7	1003.1	997.1
160°	1022.9	1020.3	1021.2	1024.6	1020.3
162.5°	1042.7	1041.0	1041.0	1045.3	1040.1
165°	1059.9	1058.1	1059.0	1062.4	1057.3
167.5°	1075.3	1071.9	1071.9	1077.1	1071.9
170°	1087.4	1083.9	1083.9	1089.1	1083.1
172.5°	1096.0	1092.5	1092.5	1097.7	1092.5
175°	1102.0	1098.5	1098.5	1103.7	1097.7
177.5°	1106.3	1102.8	1102.0	1107.1	1101.1
180°	1104.6	1104.6	1104.6	1104.6	1104.6

(END OF REPORT)