

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: P335058

Luminaire Tested: **S125IW-S1340U930-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335058
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: S125IW-S1340U930-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3794.9 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

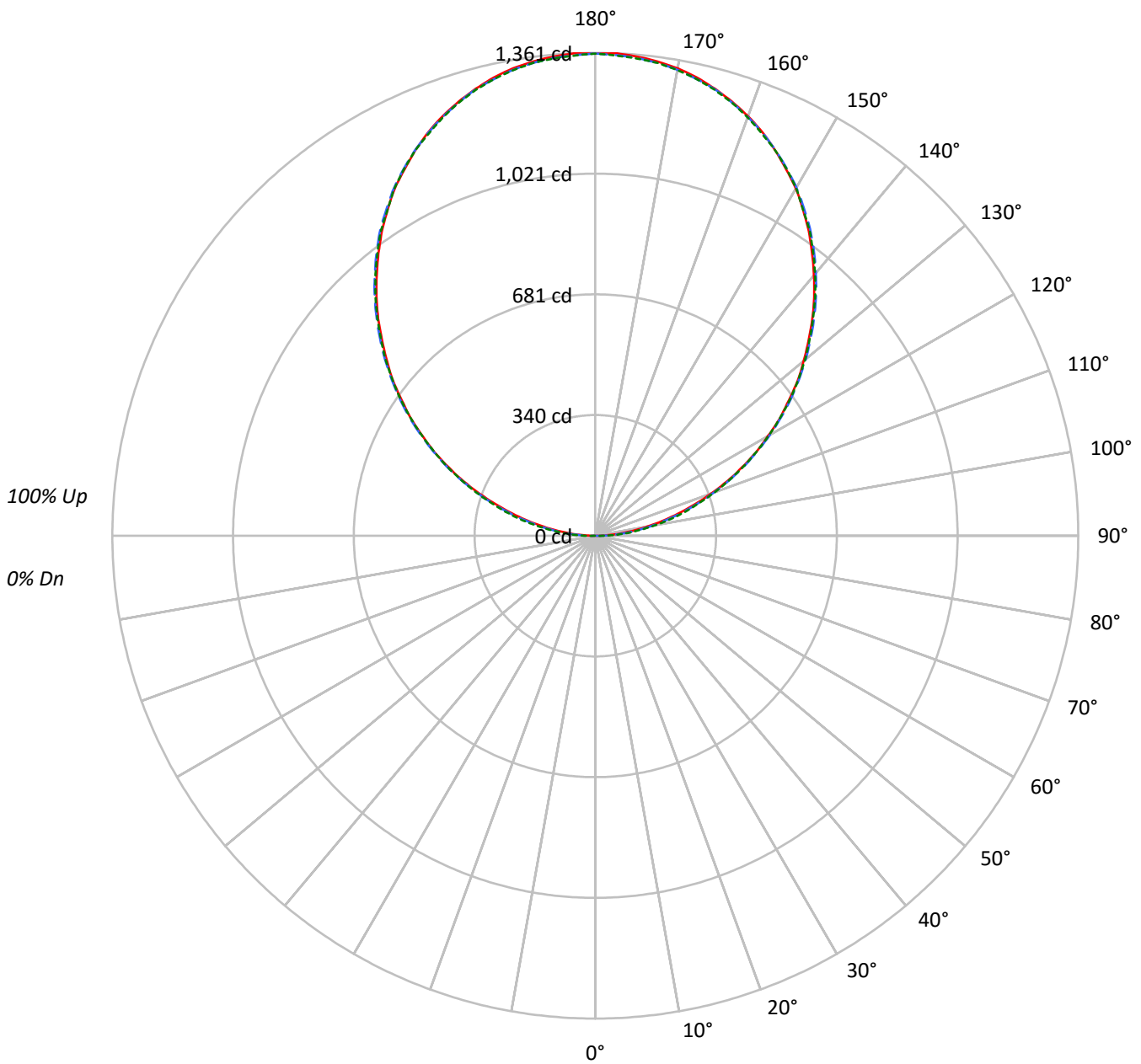
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.1	0.1
90°-100°	90.4	2.4
100°-110°	268.5	7.1
110°-120°	455.3	12.0
120°-130°	599.4	15.8
130°-140°	671.7	17.7
140°-150°	658.4	17.3
150°-160°	553.0	14.6
160°-170°	367.6	9.7
170°-180°	128.6	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.1	0.1
90°-120°	814.1	21.5
90°-150°	2743.6	72.3
90°-180°	3793.0	99.9
0°-180°	3794.9	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	10	17	22	25	5
95°	69	71	81	89	91	72
105°	241	246	253	259	262	257
115°	456	460	462	461	460	451
125°	665	672	673	670	669	596
135°	865	871	872	872	868	667
145°	1048	1052	1056	1056	1052	655
155°	1199	1199	1200	1205	1199	552
165°	1304	1302	1303	1307	1301	368
175°	1356	1352	1352	1358	1350	129
180°	1359	1359	1359	1359	1359	



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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°	1.1	9.5	16.9	22.2	25.4
92.5°	31.7	37.0	46.5	53.9	56.1
95°	68.7	70.9	81.4	88.8	91.0
97.5°	105.8	106.8	121.6	128.0	129.0
100°	148.1	148.1	161.8	171.3	173.4
102.5°	193.5	198.8	204.1	214.7	217.9
105°	241.1	246.4	252.8	259.1	262.3
107.5°	292.9	298.2	303.5	306.7	306.7
110°	346.9	352.2	355.3	358.5	357.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	401.9	404.0	408.2	409.3	407.2
115°	455.8	460.0	462.2	461.1	460.0
117.5°	510.8	511.9	514.0	515.0	510.8
120°	561.6	566.9	567.9	567.9	563.7
122.5°	616.6	617.6	620.8	619.7	616.6
125°	665.2	671.6	672.6	670.5	669.4
127.5°	719.2	722.3	723.4	722.3	720.2
130°	766.7	772.0	774.1	773.1	771.0
132.5°	814.3	823.9	822.8	821.7	818.6
135°	865.1	871.4	872.5	872.5	868.3
137.5°	912.7	919.0	921.1	922.2	916.9
140°	958.2	963.5	966.6	968.7	963.5
142.5°	1003.6	1007.9	1012.1	1013.2	1007.9
145°	1048.1	1052.3	1055.5	1055.5	1052.3
147.5°	1089.3	1092.5	1094.6	1097.8	1089.3
150°	1130.5	1129.5	1133.7	1133.7	1131.6
152.5°	1164.4	1166.5	1167.6	1170.7	1166.5
155°	1199.3	1199.3	1200.3	1204.6	1199.3
157.5°	1231.0	1228.9	1230.0	1234.2	1226.8
160°	1258.5	1255.3	1256.4	1260.6	1255.3
162.5°	1282.8	1280.7	1280.7	1286.0	1279.7
165°	1304.0	1301.9	1302.9	1307.2	1300.8
167.5°	1323.0	1318.8	1318.8	1325.1	1318.8
170°	1337.8	1333.6	1333.6	1339.9	1332.5
172.5°	1348.4	1344.2	1344.2	1350.5	1344.2
175°	1355.8	1351.6	1351.6	1357.9	1350.5
177.5°	1361.1	1356.9	1355.8	1362.2	1354.8
180°	1359.0	1359.0	1359.0	1359.0	1359.0

(END OF REPORT)