

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: P335064

Luminaire Tested: **S125IW-S1560U935-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335064
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-S1560U935-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
WALL MOUNT, 1560 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4659.6 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

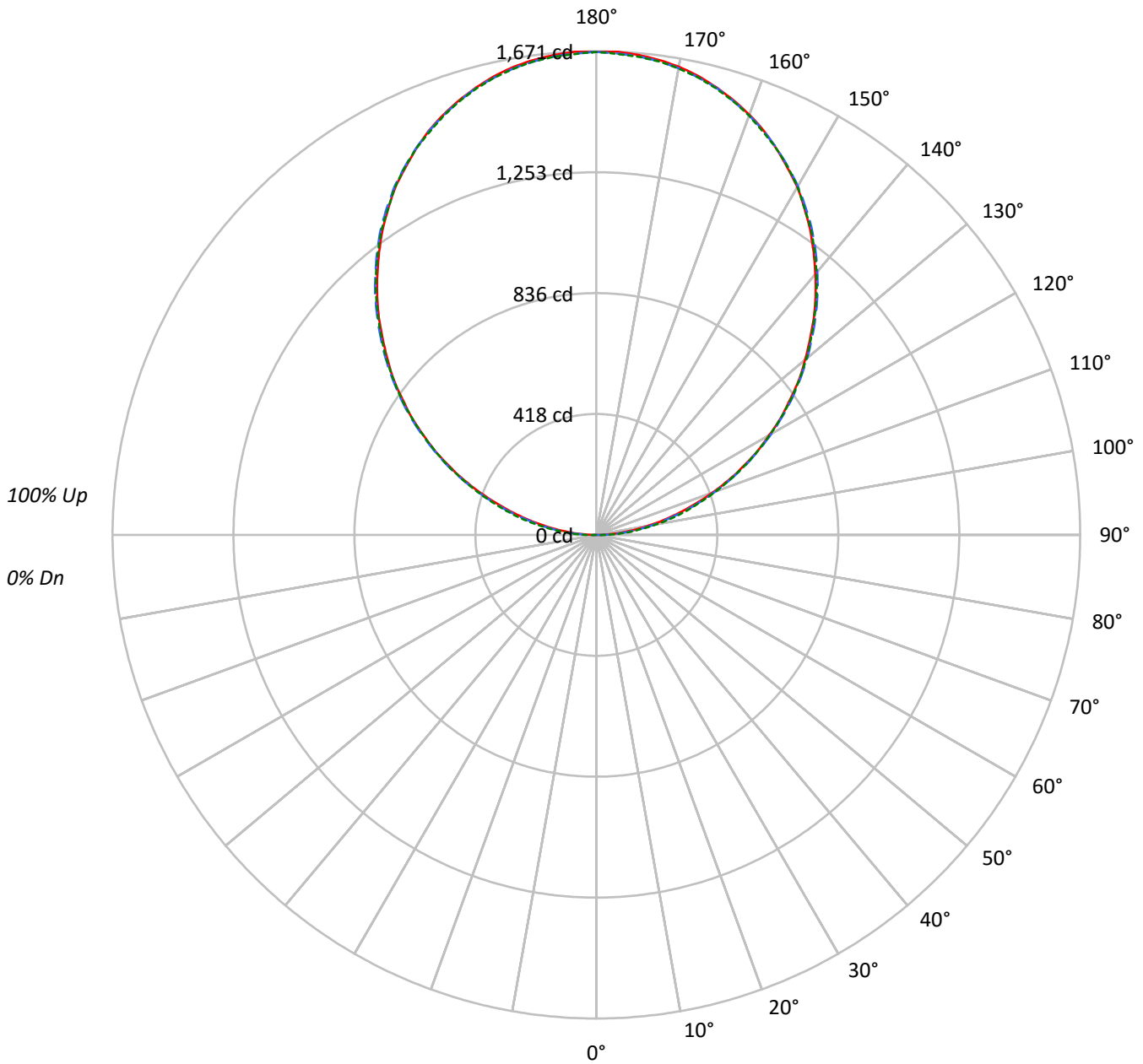
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.6	0.1
90°-100°	111.0	2.4
100°-110°	329.6	7.1
110°-120°	559.0	12.0
120°-130°	736.0	15.8
130°-140°	824.7	17.7
140°-150°	808.4	17.3
150°-160°	679.0	14.6
160°-170°	451.4	9.7
170°-180°	157.9	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.6	0.1
90°-120°	999.6	21.5
90°-150°	3368.7	72.3
90°-180°	4657.0	99.9
0°-180°	4659.6	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	12	21	27	31	6
95°	84	87	100	109	112	88
105°	296	303	310	318	322	316
115°	560	565	568	566	565	554
125°	817	825	826	823	822	732
135°	1062	1070	1071	1071	1066	819
145°	1287	1292	1296	1296	1292	804
155°	1472	1472	1474	1479	1472	678
165°	1601	1598	1600	1605	1597	452
175°	1665	1660	1660	1667	1658	158
180°	1669	1669	1669	1669	1669	



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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°	1.3	11.7	20.8	27.3	31.2
92.5°	39.0	45.4	57.1	66.2	68.8
95°	84.4	87.0	100.0	109.1	111.7
97.5°	129.9	131.2	149.3	157.1	158.4
100°	181.8	181.8	198.7	210.4	213.0
102.5°	237.6	244.1	250.6	263.6	267.5
105°	296.1	302.6	310.3	318.1	322.0
107.5°	359.7	366.2	372.7	376.6	376.6
110°	425.9	432.4	436.3	440.2	438.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	493.4	496.0	501.2	502.5	499.9
115°	559.7	564.9	567.5	566.2	564.9
117.5°	627.2	628.5	631.1	632.4	627.2
120°	689.5	696.0	697.3	697.3	692.1
122.5°	757.0	758.3	762.2	760.9	757.0
125°	816.8	824.6	825.9	823.3	822.0
127.5°	883.0	886.9	888.2	886.9	884.3
130°	941.4	947.9	950.5	949.2	946.6
132.5°	999.9	1011.6	1010.3	1009.0	1005.1
135°	1062.2	1070.0	1071.3	1071.3	1066.1
137.5°	1120.6	1128.4	1131.0	1132.3	1125.8
140°	1176.5	1183.0	1186.9	1189.5	1183.0
142.5°	1232.3	1237.5	1242.7	1244.0	1237.5
145°	1286.8	1292.0	1295.9	1295.9	1292.0
147.5°	1337.5	1341.4	1344.0	1347.9	1337.5
150°	1388.1	1386.8	1392.0	1392.0	1389.4
152.5°	1429.7	1432.3	1433.6	1437.5	1432.3
155°	1472.5	1472.5	1473.8	1479.0	1472.5
157.5°	1511.5	1508.9	1510.2	1515.4	1506.3
160°	1545.2	1541.4	1542.7	1547.8	1541.4
162.5°	1575.1	1572.5	1572.5	1579.0	1571.2
165°	1601.1	1598.5	1599.8	1605.0	1597.2
167.5°	1624.5	1619.3	1619.3	1627.1	1619.3
170°	1642.6	1637.4	1637.4	1645.2	1636.1
172.5°	1655.6	1650.4	1650.4	1658.2	1650.4
175°	1664.7	1659.5	1659.5	1667.3	1658.2
177.5°	1671.2	1666.0	1664.7	1672.5	1663.4
180°	1668.6	1668.6	1668.6	1668.6	1668.6

(END OF REPORT)