

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: P335039

Luminaire Tested: **S125IW-S1560U830-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335039
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-S1560U830-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
WALL MOUNT, 1560 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5100.8 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

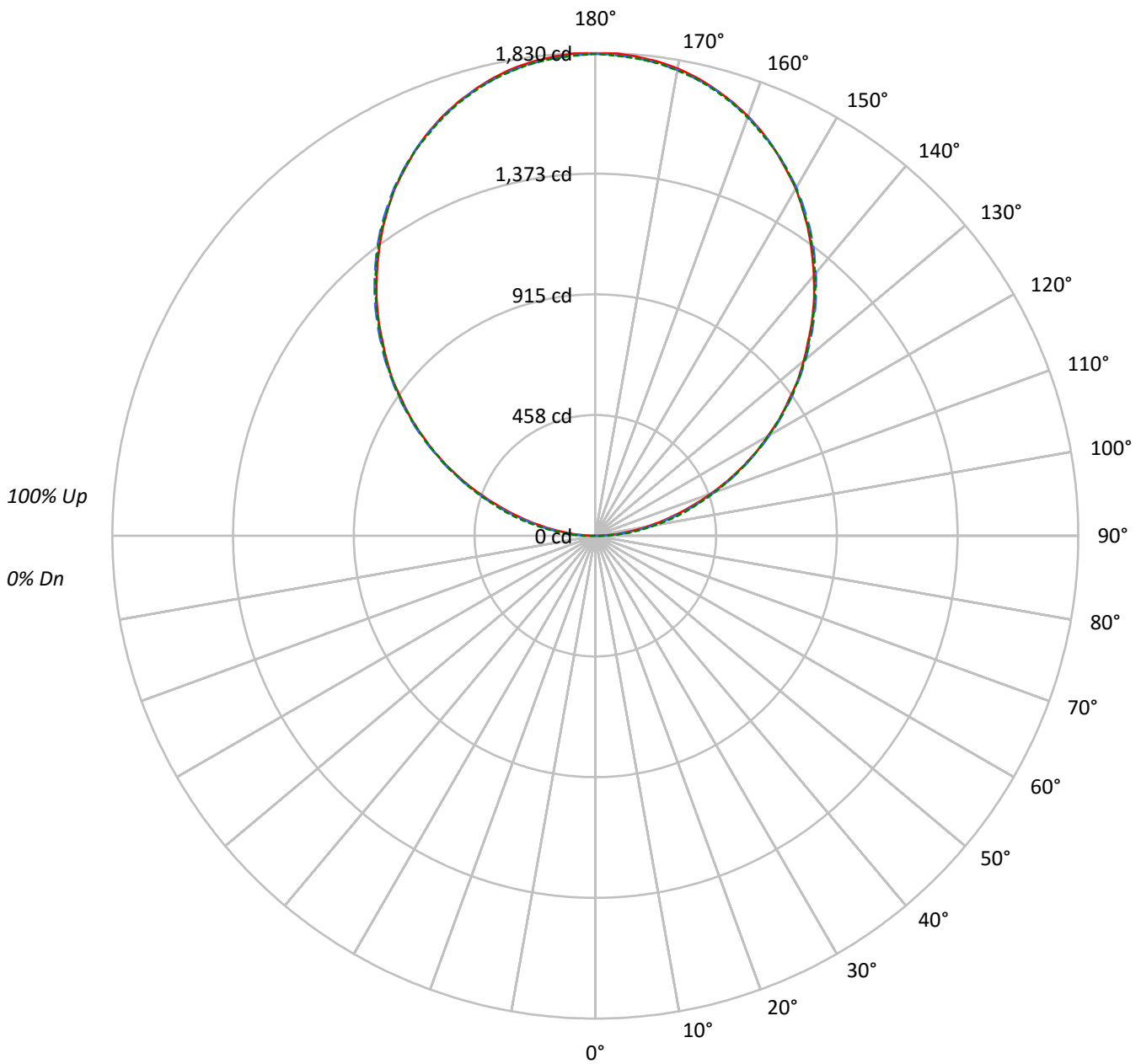
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.8	0.1
90°-100°	121.5	2.4
100°-110°	360.9	7.1
110°-120°	612.0	12.0
120°-130°	805.7	15.8
130°-140°	902.8	17.7
140°-150°	884.9	17.3
150°-160°	743.3	14.6
160°-170°	494.1	9.7
170°-180°	172.9	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.8	0.1
90°-120°	1094.3	21.5
90°-150°	3687.7	72.3
90°-180°	5098.0	99.9
0°-180°	5100.8	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	13	23	30	34	6
95°	92	95	110	119	122	97
105°	324	331	340	348	352	346
115°	613	618	621	620	618	606
125°	894	903	904	901	900	801
135°	1163	1171	1173	1173	1167	896
145°	1409	1414	1419	1419	1414	881
155°	1612	1612	1613	1619	1612	743
165°	1753	1750	1751	1757	1748	495
175°	1822	1817	1817	1825	1815	173
180°	1827	1827	1827	1827	1827	



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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°	1.4	12.8	22.7	29.9	34.1
92.5°	42.6	49.8	62.5	72.5	75.3
95°	92.4	95.2	109.5	119.4	122.2
97.5°	142.2	143.6	163.5	172.0	173.4
100°	199.0	199.0	217.5	230.3	233.1
102.5°	260.1	267.2	274.4	288.6	292.8
105°	324.1	331.2	339.7	348.3	352.5
107.5°	393.8	400.9	408.0	412.2	412.2
110°	466.3	473.4	477.6	481.9	480.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	540.2	543.0	548.7	550.1	547.3
115°	612.7	618.4	621.2	619.8	618.4
117.5°	686.6	688.0	690.9	692.3	686.6
120°	754.8	761.9	763.3	763.3	757.7
122.5°	828.7	830.2	834.4	833.0	828.7
125°	894.1	902.7	904.1	901.2	899.8
127.5°	966.6	970.9	972.3	970.9	968.0
130°	1030.6	1037.7	1040.5	1039.1	1036.3
132.5°	1094.6	1107.4	1105.9	1104.5	1100.2
135°	1162.8	1171.3	1172.7	1172.7	1167.1
137.5°	1226.8	1235.3	1238.1	1239.6	1232.4
140°	1287.9	1295.0	1299.3	1302.1	1295.0
142.5°	1349.0	1354.7	1360.4	1361.8	1354.7
145°	1408.7	1414.4	1418.7	1418.7	1414.4
147.5°	1464.2	1468.4	1471.3	1475.5	1464.2
150°	1519.6	1518.2	1523.9	1523.9	1521.0
152.5°	1565.1	1567.9	1569.3	1573.6	1567.9
155°	1612.0	1612.0	1613.4	1619.1	1612.0
157.5°	1654.6	1651.8	1653.2	1658.9	1648.9
160°	1691.6	1687.3	1688.8	1694.4	1687.3
162.5°	1724.3	1721.4	1721.4	1728.6	1720.0
165°	1752.7	1749.9	1751.3	1757.0	1748.5
167.5°	1778.3	1772.6	1772.6	1781.1	1772.6
170°	1798.2	1792.5	1792.5	1801.1	1791.1
172.5°	1812.4	1806.7	1806.7	1815.3	1806.7
175°	1822.4	1816.7	1816.7	1825.2	1815.3
177.5°	1829.5	1823.8	1822.4	1830.9	1821.0
180°	1826.6	1826.6	1826.6	1826.6	1826.6

(END OF REPORT)