

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: P335134

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
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
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
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: 5373.4 lumens
Efficiency: N/A
Efficacy: 175.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

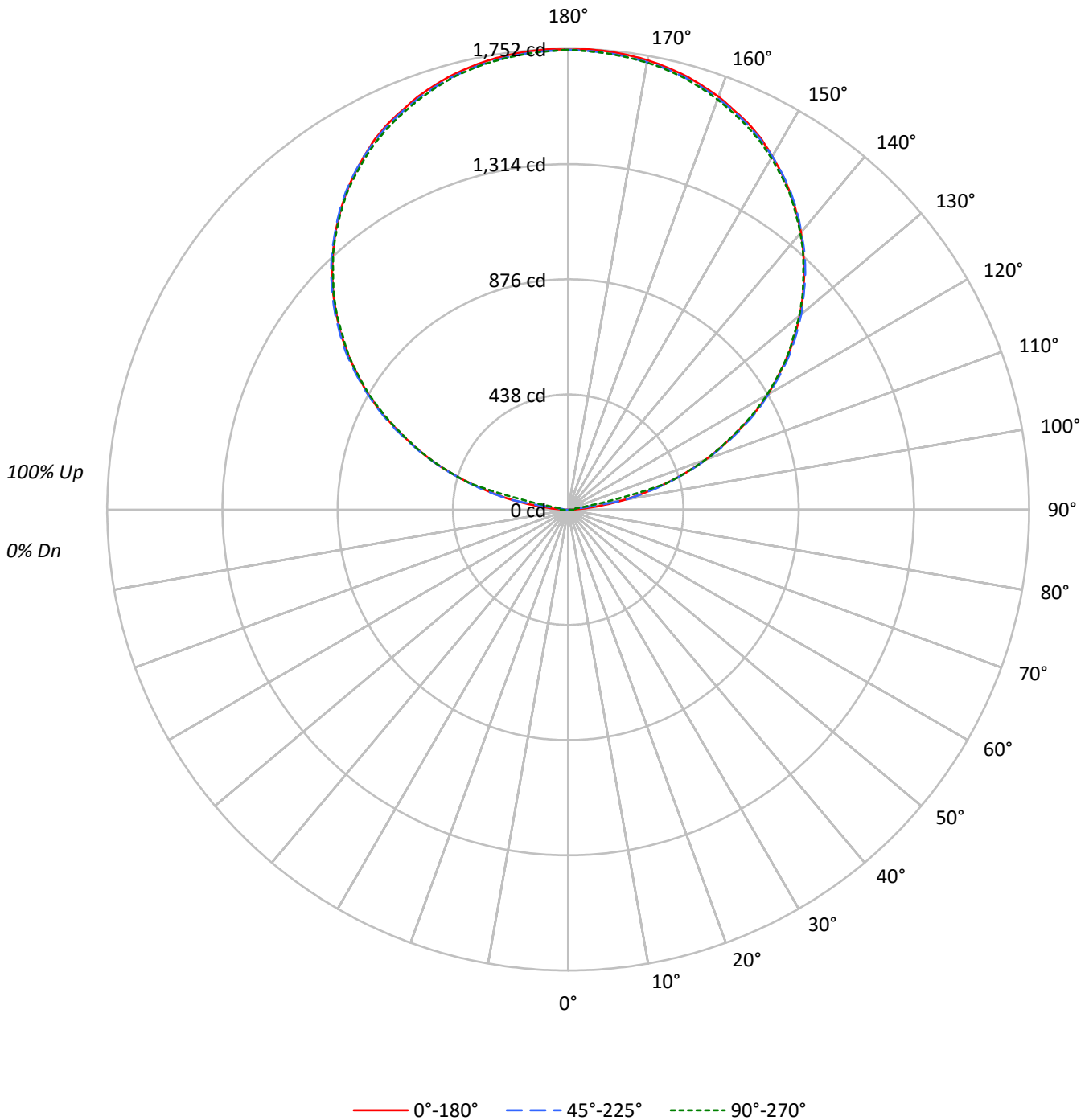
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	0.0
90°-100°	59.3	1.1
100°-110°	394.6	7.3
110°-120°	710.6	13.2
120°-130°	912.1	17.0
130°-140°	981.0	18.3
140°-150°	920.7	17.1
150°-160°	744.7	13.9
160°-170°	481.6	9.0
170°-180°	166.1	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.6	0.0
90°-120°	1164.5	21.7
90°-150°	3978.3	74.0
90°-180°	5371.0	100.0
0°-180°	5373.4	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	12	21	27	31	4
95°	74	70	21	27	27	91
105°	381	386	386	386	385	404
115°	716	722	723	718	710	709
125°	1017	1026	1026	1021	1017	909
135°	1269	1277	1274	1272	1264	978
145°	1471	1474	1474	1475	1467	920
155°	1620	1612	1615	1619	1608	747
165°	1710	1702	1703	1711	1700	483
175°	1748	1741	1742	1752	1741	166
180°	1748	1748	1748	1748	1748	



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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	20.7	27.2	31.1
92.5°	24.6	13.0	20.7	27.2	28.5
95°	73.9	70.0	20.7	27.2	27.2
97.5°	138.7	146.5	23.3	25.9	27.2
100°	216.5	220.3	225.5	32.4	27.2
102.5°	295.5	300.7	303.3	305.9	197.0
105°	381.1	386.2	386.2	386.2	384.9
107.5°	469.2	469.2	471.8	473.1	467.9
110°	554.7	554.7	557.3	553.4	554.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	635.1	639.0	640.3	635.1	632.5
115°	715.5	721.9	723.2	718.0	710.3
117.5°	799.7	799.7	804.9	797.1	794.5
120°	877.5	876.2	880.1	877.5	871.0
122.5°	946.2	952.6	953.9	951.3	943.6
125°	1017.4	1026.5	1026.5	1021.3	1017.4
127.5°	1086.1	1092.6	1091.3	1088.7	1078.4
130°	1148.4	1154.8	1156.1	1152.2	1145.8
132.5°	1210.6	1218.3	1214.5	1214.5	1208.0
135°	1268.9	1276.7	1274.1	1271.5	1263.7
137.5°	1323.3	1331.1	1328.5	1328.5	1322.0
140°	1376.5	1379.1	1377.8	1380.4	1372.6
142.5°	1424.4	1425.7	1428.3	1428.3	1420.5
145°	1471.1	1473.7	1473.7	1475.0	1467.2
147.5°	1512.6	1512.6	1513.9	1515.2	1506.1
150°	1551.4	1548.9	1551.4	1554.0	1543.7
152.5°	1589.0	1582.5	1585.1	1587.7	1578.7
155°	1620.1	1612.4	1615.0	1618.8	1608.5
157.5°	1644.8	1640.9	1640.9	1644.8	1634.4
160°	1670.7	1662.9	1664.2	1669.4	1659.0
162.5°	1691.4	1683.6	1684.9	1692.7	1681.1
165°	1709.6	1701.8	1703.1	1710.9	1700.5
167.5°	1723.8	1716.0	1717.3	1726.4	1714.8
170°	1735.5	1726.4	1727.7	1738.1	1726.4
172.5°	1743.3	1734.2	1736.8	1745.9	1734.2
175°	1748.5	1740.7	1742.0	1752.3	1740.7
177.5°	1752.3	1744.6	1745.9	1754.9	1744.6
180°	1748.5	1748.5	1748.5	1748.5	1748.5

(END OF REPORT)