

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: P335124

Luminaire Tested: **S125IW-S1560U927-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335124
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-S1560U927-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1560 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4944.0 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

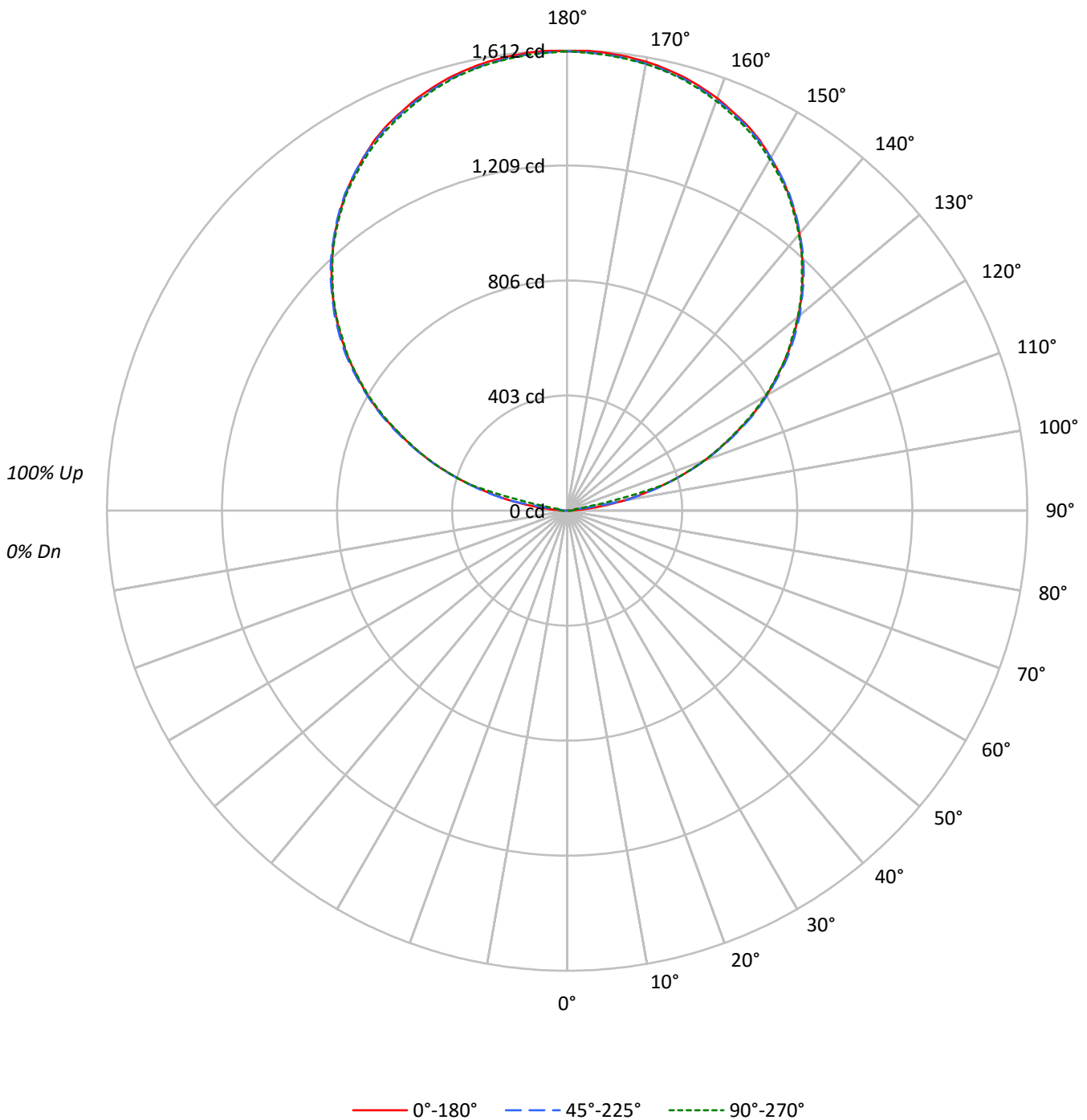
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.4	0.0
90°-100°	54.6	1.1
100°-110°	363.1	7.3
110°-120°	653.8	13.2
120°-130°	839.2	17.0
130°-140°	902.6	18.3
140°-150°	847.1	17.1
150°-160°	685.2	13.9
160°-170°	443.2	9.0
170°-180°	152.8	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.4	0.0
90°-120°	1071.5	21.7
90°-150°	3660.4	74.0
90°-180°	4942.0	100.0
0°-180°	4944.0	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	11	19	25	29	3
95°	68	64	19	25	25	83
105°	351	355	355	355	354	371
115°	658	664	665	661	654	653
125°	936	944	944	940	936	836
135°	1168	1175	1172	1170	1163	900
145°	1354	1356	1356	1357	1350	847
155°	1491	1484	1486	1490	1480	687
165°	1573	1566	1567	1574	1565	444
175°	1609	1602	1603	1612	1602	153
180°	1609	1609	1609	1609	1609	



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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°	1.2	10.7	19.1	25.0	28.6
92.5°	22.7	11.9	19.1	25.0	26.2
95°	68.0	64.4	19.1	25.0	25.0
97.5°	127.6	134.8	21.5	23.9	25.0
100°	199.1	202.7	207.5	29.8	25.0
102.5°	271.9	276.7	279.0	281.4	181.3
105°	350.6	355.4	355.4	355.4	354.2
107.5°	431.7	431.7	434.1	435.3	430.5
110°	510.4	510.4	512.8	509.2	510.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	584.3	587.9	589.1	584.3	581.9
115°	658.3	664.2	665.4	660.7	653.5
117.5°	735.8	735.8	740.6	733.4	731.0
120°	807.3	806.1	809.7	807.3	801.4
122.5°	870.5	876.5	877.7	875.3	868.2
125°	936.1	944.5	944.5	939.7	936.1
127.5°	999.3	1005.3	1004.1	1001.7	992.2
130°	1056.6	1062.5	1063.7	1060.1	1054.2
132.5°	1113.8	1121.0	1117.4	1117.4	1111.4
135°	1167.5	1174.6	1172.2	1169.9	1162.7
137.5°	1217.6	1224.7	1222.3	1222.3	1216.4
140°	1266.5	1268.8	1267.6	1270.0	1262.9
142.5°	1310.6	1311.8	1314.2	1314.2	1307.0
145°	1353.5	1355.9	1355.9	1357.1	1349.9
147.5°	1391.7	1391.7	1392.9	1394.0	1385.7
150°	1427.4	1425.1	1427.4	1429.8	1420.3
152.5°	1462.0	1456.1	1458.4	1460.8	1452.5
155°	1490.6	1483.5	1485.9	1489.5	1479.9
157.5°	1513.3	1509.7	1509.7	1513.3	1503.8
160°	1537.2	1530.0	1531.2	1536.0	1526.4
162.5°	1556.2	1549.1	1550.3	1557.4	1546.7
165°	1572.9	1565.8	1567.0	1574.1	1564.6
167.5°	1586.0	1578.9	1580.1	1588.4	1577.7
170°	1596.8	1588.4	1589.6	1599.2	1588.4
172.5°	1603.9	1595.6	1598.0	1606.3	1595.6
175°	1608.7	1601.5	1602.7	1612.3	1601.5
177.5°	1612.3	1605.1	1606.3	1614.7	1605.1
180°	1608.7	1608.7	1608.7	1608.7	1608.7

(END OF REPORT)