

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: P335118

Luminaire Tested: **S125IW-S1340U840-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335118
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-S1340U840-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

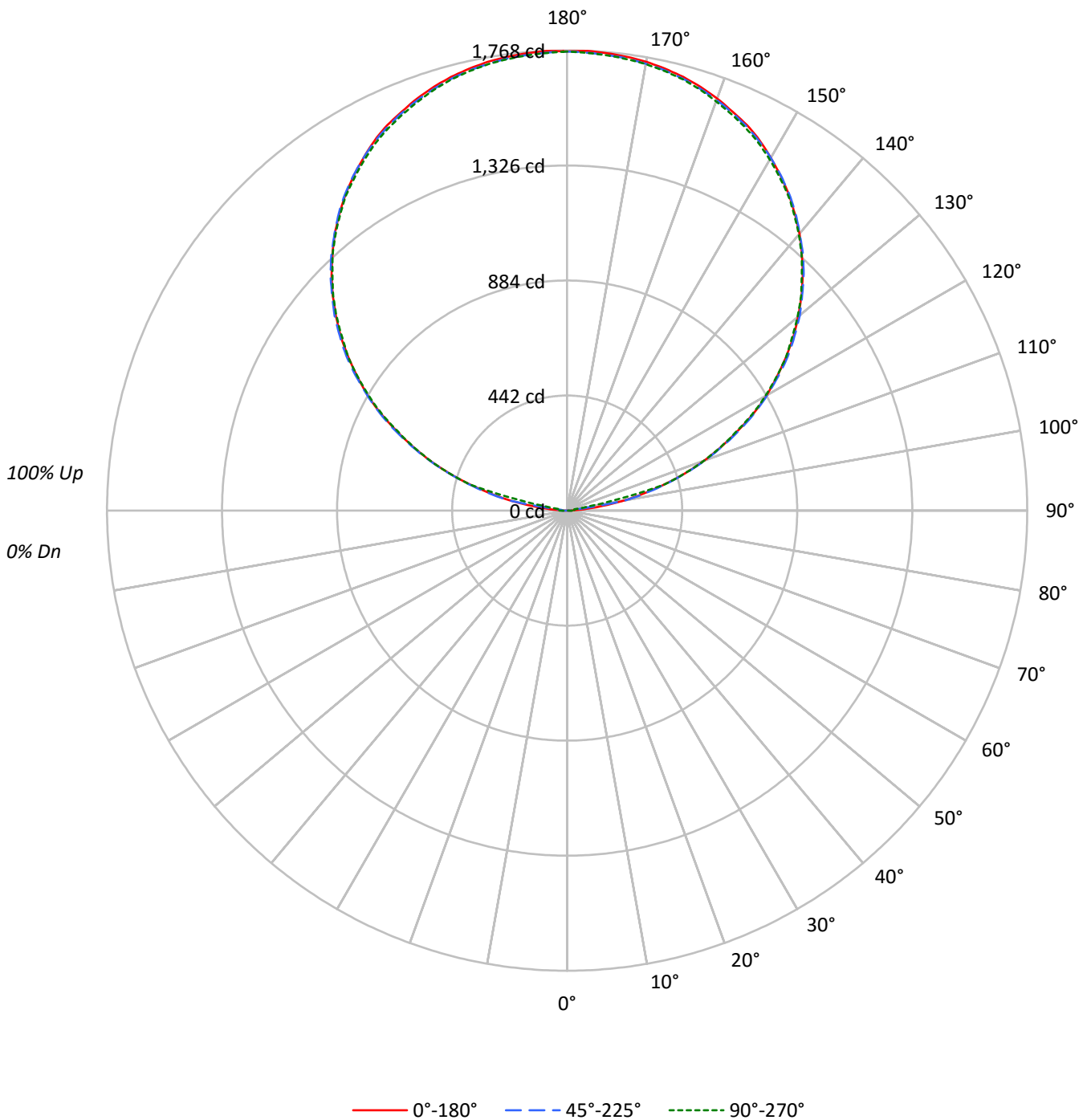
Lumens per Lamp: N/A
Luminaire Lumens: 5420.8 lumens
Efficiency: N/A
Efficacy: 210.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (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°	2.6	0.0
90°-100°	59.9	1.1
100°-110°	398.1	7.3
110°-120°	716.9	13.2
120°-130°	920.1	17.0
130°-140°	989.6	18.3
140°-150°	928.8	17.1
150°-160°	751.3	13.9
160°-170°	485.9	9.0
170°-180°	167.6	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°	1174.8	21.7
90°-150°	4013.4	74.0
90°-180°	5418.0	99.9
0°-180°	5420.8	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	12	21	28	31	4
95°	74	71	21	28	28	91
105°	384	390	390	390	388	407
115°	722	728	730	724	716	715
125°	1026	1036	1036	1030	1026	917
135°	1280	1288	1285	1283	1275	987
145°	1484	1487	1487	1488	1480	928
155°	1634	1627	1629	1633	1623	753
165°	1725	1717	1718	1726	1716	487
175°	1764	1756	1757	1768	1756	168
180°	1764	1764	1764	1764	1764	



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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	11.8	20.9	27.5	31.4
92.5°	24.8	13.1	20.9	27.5	28.8
95°	74.5	70.6	20.9	27.5	27.5
97.5°	139.9	147.7	23.5	26.2	27.5
100°	218.4	222.3	227.5	32.7	27.5
102.5°	298.1	303.3	306.0	308.6	198.7
105°	384.4	389.6	389.6	389.6	388.3
107.5°	473.3	473.3	475.9	477.2	472.0
110°	559.6	559.6	562.2	558.3	559.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	640.7	644.6	645.9	640.7	638.1
115°	721.8	728.3	729.6	724.4	716.5
117.5°	806.7	806.7	812.0	804.1	801.5
120°	885.2	883.9	887.8	885.2	878.7
122.5°	954.5	961.0	962.3	959.7	951.9
125°	1026.4	1035.6	1035.6	1030.3	1026.4
127.5°	1095.7	1102.2	1100.9	1098.3	1087.9
130°	1158.5	1165.0	1166.3	1162.4	1155.8
132.5°	1221.2	1229.1	1225.1	1225.1	1218.6
135°	1280.1	1287.9	1285.3	1282.7	1274.8
137.5°	1335.0	1342.8	1340.2	1340.2	1333.7
140°	1388.6	1391.2	1389.9	1392.5	1384.7
142.5°	1437.0	1438.3	1440.9	1440.9	1433.0
145°	1484.0	1486.6	1486.6	1488.0	1480.1
147.5°	1525.9	1525.9	1527.2	1528.5	1519.3
150°	1565.1	1562.5	1565.1	1567.7	1557.3
152.5°	1603.0	1596.5	1599.1	1601.7	1592.6
155°	1634.4	1626.6	1629.2	1633.1	1622.6
157.5°	1659.2	1655.3	1655.3	1659.2	1648.8
160°	1685.4	1677.5	1678.9	1684.1	1673.6
162.5°	1706.3	1698.5	1699.8	1707.6	1695.9
165°	1724.6	1716.8	1718.1	1725.9	1715.5
167.5°	1739.0	1731.2	1732.5	1741.6	1729.8
170°	1750.8	1741.6	1742.9	1753.4	1741.6
172.5°	1758.6	1749.5	1752.1	1761.2	1749.5
175°	1763.8	1756.0	1757.3	1767.8	1756.0
177.5°	1767.8	1759.9	1761.2	1770.4	1759.9
180°	1763.8	1763.8	1763.8	1763.8	1763.8

(END OF REPORT)