

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: P335043

Luminaire Tested: **S125IW-S1340U835-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335043
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-S1340U835-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4654.7 lumens
Efficiency: N/A
Efficacy: 181.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

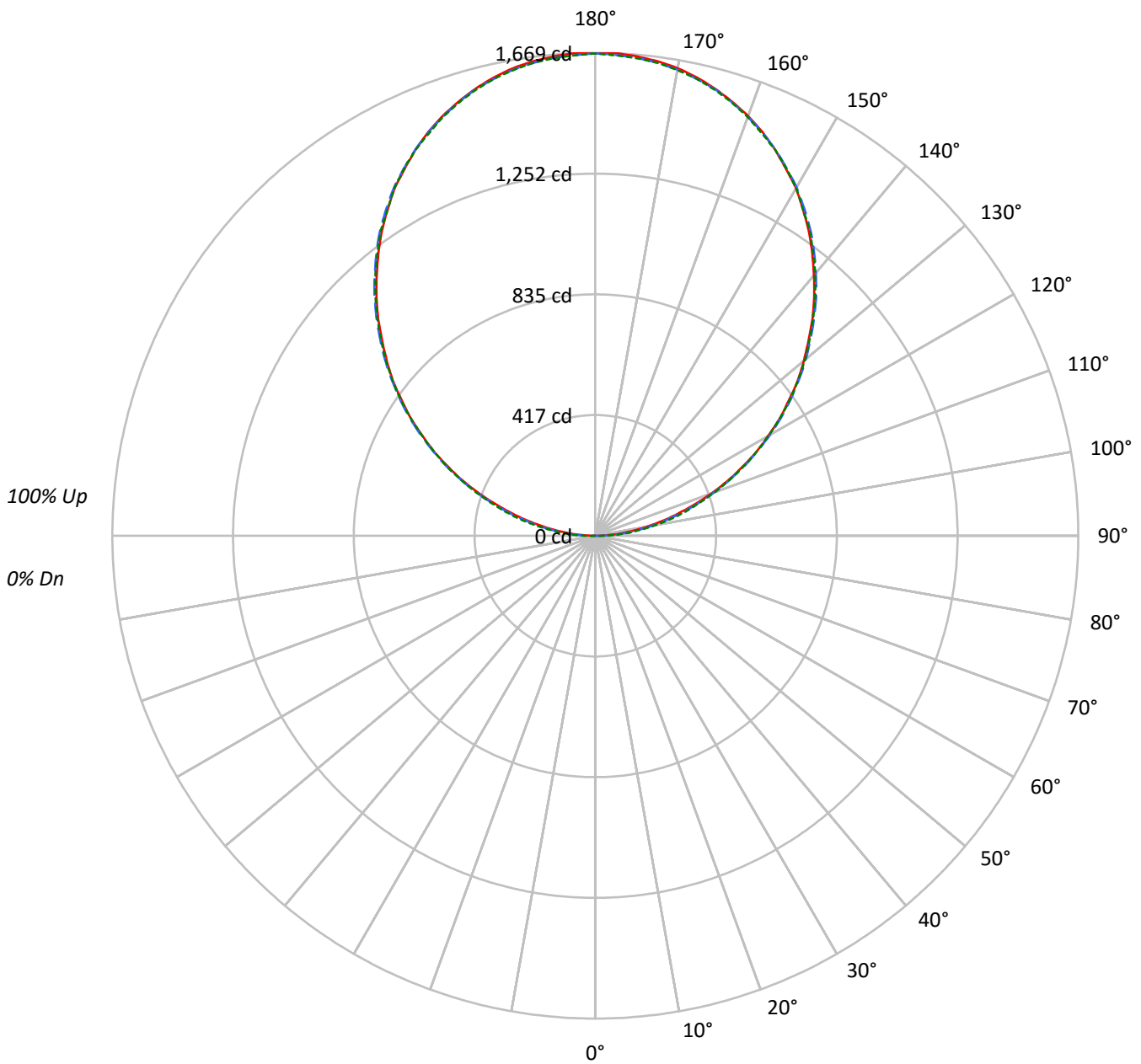
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	110.9	2.4
100°-110°	329.3	7.1
110°-120°	558.5	12.0
120°-130°	735.2	15.8
130°-140°	823.8	17.7
140°-150°	807.5	17.3
150°-160°	678.3	14.6
160°-170°	450.9	9.7
170°-180°	157.8	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°	998.6	21.5
90°-150°	3365.1	72.3
90°-180°	4652.0	99.9
0°-180°	4654.7	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	302	310	318	322	315
115°	559	564	567	566	564	553
125°	816	824	825	822	821	731
135°	1061	1069	1070	1070	1065	818
145°	1286	1291	1295	1295	1291	804
155°	1471	1471	1472	1478	1471	678
165°	1599	1597	1598	1603	1596	451
175°	1663	1658	1658	1666	1656	158
180°	1667	1667	1667	1667	1667	



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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	27.2	31.1
92.5°	38.9	45.4	57.1	66.2	68.7
95°	84.3	86.9	99.9	109.0	111.6
97.5°	129.7	131.0	149.2	157.0	158.3
100°	181.6	181.6	198.5	210.1	212.7
102.5°	237.4	243.9	250.4	263.3	267.2
105°	295.8	302.2	310.0	317.8	321.7
107.5°	359.3	365.8	372.3	376.2	376.2
110°	425.5	432.0	435.8	439.7	438.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	492.9	495.5	500.7	502.0	499.4
115°	559.1	564.3	566.9	565.6	564.3
117.5°	626.5	627.8	630.4	631.7	626.5
120°	688.8	695.3	696.6	696.6	691.4
122.5°	756.2	757.5	761.4	760.1	756.2
125°	815.9	823.7	825.0	822.4	821.1
127.5°	882.1	886.0	887.3	886.0	883.4
130°	940.4	946.9	949.5	948.2	945.6
132.5°	998.8	1010.5	1009.2	1007.9	1004.0
135°	1061.1	1068.9	1070.2	1070.2	1065.0
137.5°	1119.5	1127.2	1129.8	1131.1	1124.6
140°	1175.2	1181.7	1185.6	1188.2	1181.7
142.5°	1231.0	1236.2	1241.4	1242.7	1236.2
145°	1285.5	1290.7	1294.6	1294.6	1290.7
147.5°	1336.1	1340.0	1342.6	1346.5	1336.1
150°	1386.7	1385.4	1390.6	1390.6	1388.0
152.5°	1428.2	1430.8	1432.1	1436.0	1430.8
155°	1471.0	1471.0	1472.3	1477.5	1471.0
157.5°	1509.9	1507.3	1508.6	1513.8	1504.7
160°	1543.6	1539.7	1541.0	1546.2	1539.7
162.5°	1573.5	1570.9	1570.9	1577.4	1569.6
165°	1599.4	1596.8	1598.1	1603.3	1595.5
167.5°	1622.8	1617.6	1617.6	1625.3	1617.6
170°	1640.9	1635.7	1635.7	1643.5	1634.4
172.5°	1653.9	1648.7	1648.7	1656.5	1648.7
175°	1663.0	1657.8	1657.8	1665.6	1656.5
177.5°	1669.4	1664.3	1663.0	1670.7	1661.7
180°	1666.9	1666.9	1666.9	1666.9	1666.9

(END OF REPORT)