

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: P335038

Luminaire Tested: **S125IW-S1340U830-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335038
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-S1340U830-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4387.2 lumens
Efficiency: N/A
Efficacy: 170.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

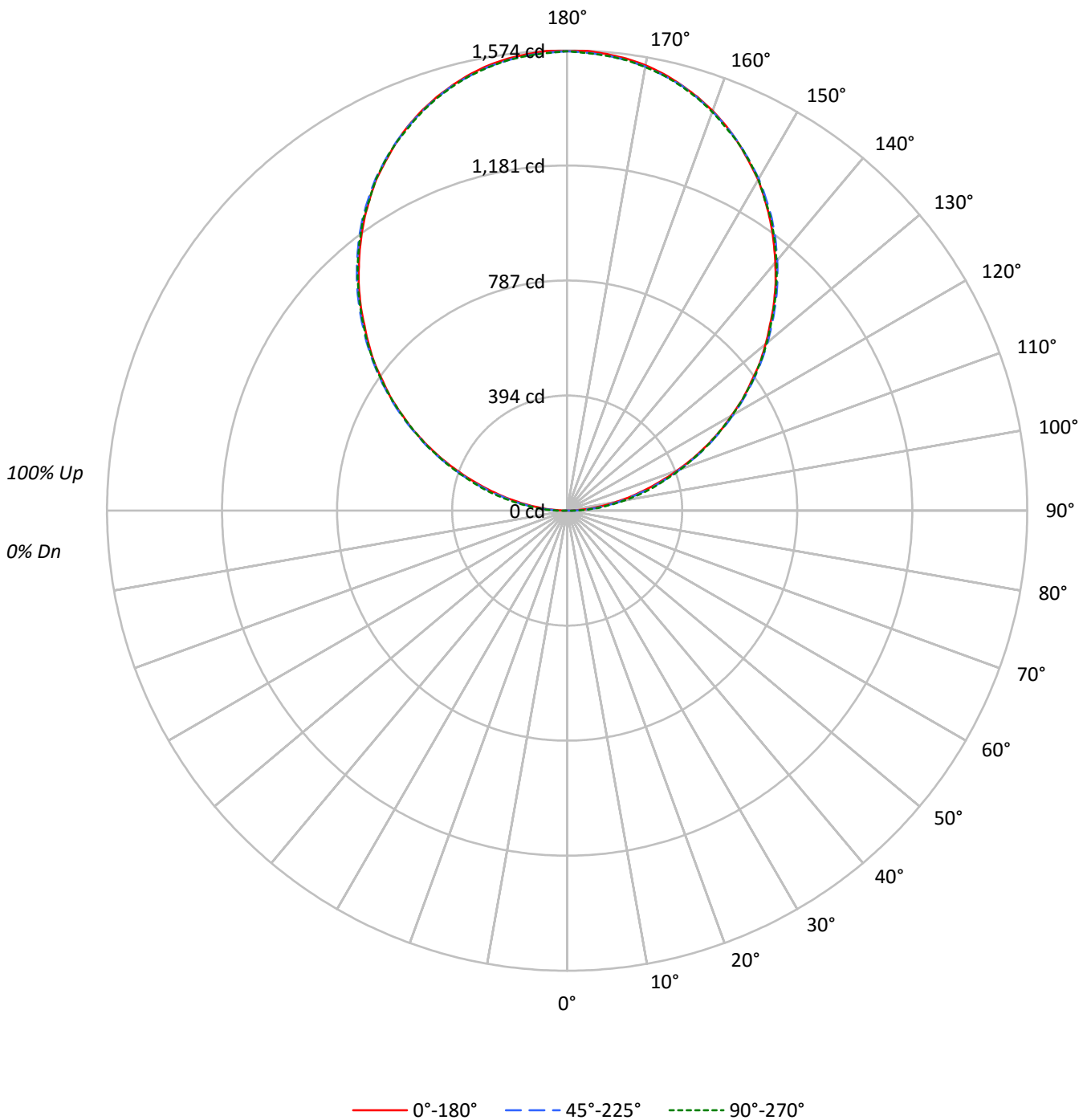
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.5	0.1
90°-100°	104.5	2.4
100°-110°	310.4	7.1
110°-120°	526.4	12.0
120°-130°	693.0	15.8
130°-140°	776.5	17.7
140°-150°	761.1	17.3
150°-160°	639.3	14.6
160°-170°	425.0	9.7
170°-180°	148.7	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.5	0.1
90°-120°	941.2	21.5
90°-150°	3171.8	72.3
90°-180°	4385.0	99.9
0°-180°	4387.2	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	20	26	29	5
95°	80	82	94	103	105	83
105°	279	285	292	300	303	297
115°	527	532	534	533	532	521
125°	769	776	778	775	774	689
135°	1000	1007	1009	1009	1004	771
145°	1212	1216	1220	1220	1216	757
155°	1386	1386	1388	1393	1386	639
165°	1508	1505	1506	1511	1504	425
175°	1567	1562	1562	1570	1561	149
180°	1571	1571	1571	1571	1571	



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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	11.0	19.6	25.7	29.3
92.5°	36.7	42.8	53.8	62.4	64.8
95°	79.5	81.9	94.1	102.7	105.1
97.5°	122.3	123.5	140.6	147.9	149.2
100°	171.2	171.2	187.1	198.1	200.5
102.5°	223.7	229.9	236.0	248.2	251.9
105°	278.8	284.9	292.2	299.5	303.2
107.5°	338.7	344.8	350.9	354.6	354.6
110°	401.0	407.1	410.8	414.5	413.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	464.6	467.0	471.9	473.2	470.7
115°	527.0	531.8	534.3	533.1	531.8
117.5°	590.5	591.8	594.2	595.4	590.5
120°	649.2	655.3	656.6	656.6	651.7
122.5°	712.8	714.0	717.7	716.5	712.8
125°	769.0	776.4	777.6	775.1	773.9
127.5°	831.4	835.1	836.3	835.1	832.6
130°	886.4	892.5	895.0	893.7	891.3
132.5°	941.4	952.4	951.2	950.0	946.3
135°	1000.1	1007.4	1008.7	1008.7	1003.8
137.5°	1055.1	1062.5	1064.9	1066.1	1060.0
140°	1107.7	1113.8	1117.5	1119.9	1113.8
142.5°	1160.3	1165.2	1170.1	1171.3	1165.2
145°	1211.6	1216.5	1220.2	1220.2	1216.5
147.5°	1259.3	1263.0	1265.4	1269.1	1259.3
150°	1307.0	1305.8	1310.7	1310.7	1308.2
152.5°	1346.1	1348.6	1349.8	1353.5	1348.6
155°	1386.5	1386.5	1387.7	1392.6	1386.5
157.5°	1423.1	1420.7	1421.9	1426.8	1418.3
160°	1454.9	1451.3	1452.5	1457.4	1451.3
162.5°	1483.1	1480.6	1480.6	1486.7	1479.4
165°	1507.5	1505.1	1506.3	1511.2	1503.8
167.5°	1529.5	1524.6	1524.6	1532.0	1524.6
170°	1546.6	1541.7	1541.7	1549.1	1540.5
172.5°	1558.9	1554.0	1554.0	1561.3	1554.0
175°	1567.4	1562.5	1562.5	1569.9	1561.3
177.5°	1573.5	1568.6	1567.4	1574.7	1566.2
180°	1571.1	1571.1	1571.1	1571.1	1571.1

(END OF REPORT)