

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: P335068

Luminaire Tested: **S125IW-S1340U940-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335068
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-S1340U940-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4150.6 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

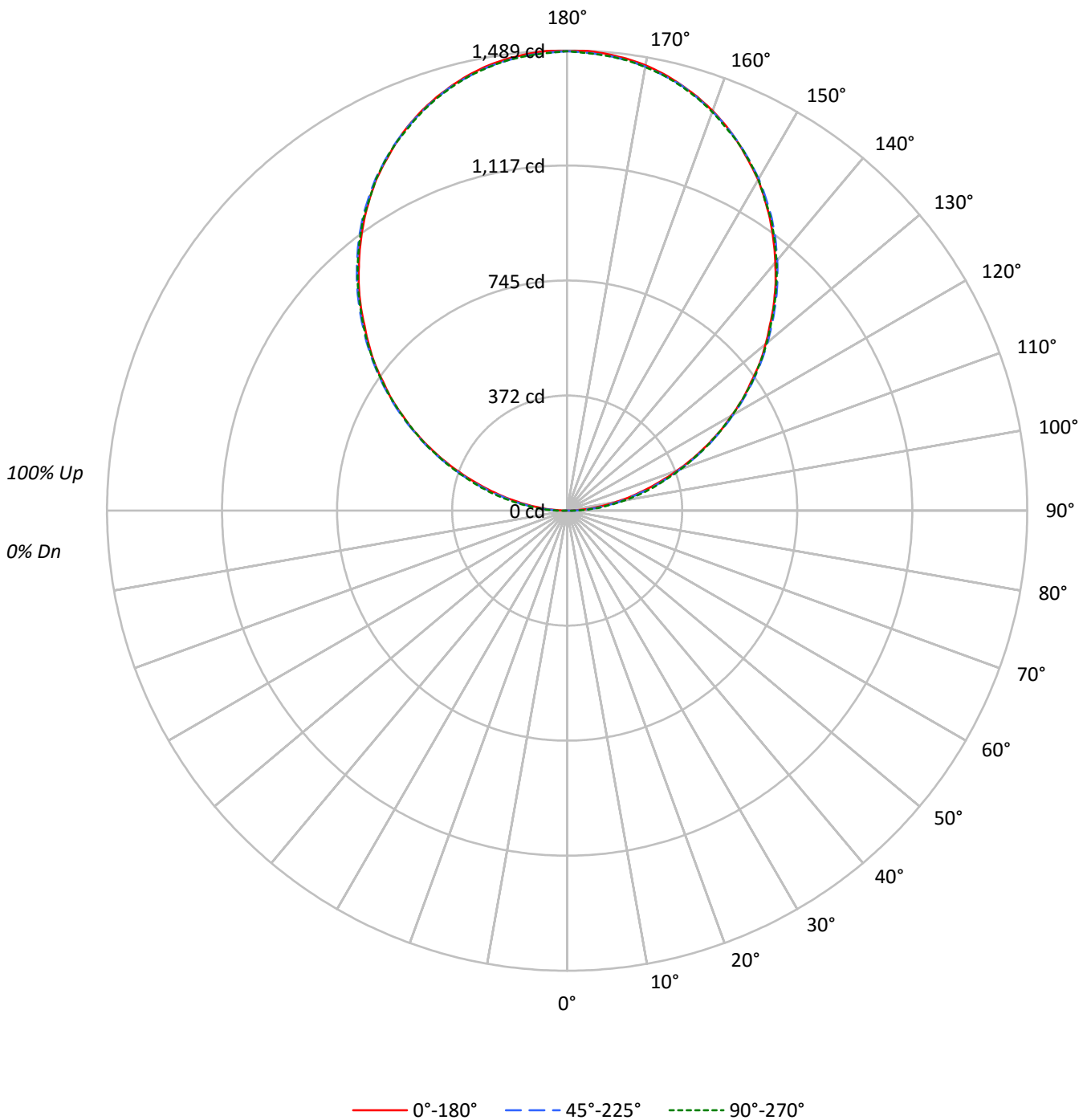
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	2.3	0.1
90°-100°	98.8	2.4
100°-110°	293.6	7.1
110°-120°	498.0	12.0
120°-130°	655.6	15.8
130°-140°	734.6	17.7
140°-150°	720.1	17.3
150°-160°	604.8	14.6
160°-170°	402.1	9.7
170°-180°	140.7	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	0.1
90°-120°	890.5	21.5
90°-150°	3000.7	72.3
90°-180°	4148.0	99.9
0°-180°	4150.6	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	10	18	24	28	5
95°	75	78	89	97	100	79
105°	264	270	276	283	287	281
115°	498	503	506	504	503	493
125°	728	734	736	733	732	652
135°	946	953	954	954	950	729
145°	1146	1151	1154	1154	1151	717
155°	1312	1312	1313	1318	1312	604
165°	1426	1424	1425	1430	1423	402
175°	1483	1478	1478	1485	1477	141
180°	1486	1486	1486	1486	1486	



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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	10.4	18.5	24.3	27.8
92.5°	34.7	40.5	50.9	59.0	61.3
95°	75.2	77.5	89.1	97.2	99.5
97.5°	115.7	116.8	133.0	140.0	141.1
100°	161.9	161.9	177.0	187.4	189.7
102.5°	211.7	217.5	223.2	234.8	238.3
105°	263.7	269.5	276.4	283.4	286.9
107.5°	320.4	326.2	332.0	335.4	335.4
110°	379.4	385.2	388.6	392.1	391.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	439.5	441.9	446.5	447.6	445.3
115°	498.5	503.2	505.5	504.3	503.2
117.5°	558.7	559.8	562.2	563.3	558.7
120°	614.2	620.0	621.1	621.1	616.5
122.5°	674.4	675.5	679.0	677.8	674.4
125°	727.6	734.5	735.7	733.3	732.2
127.5°	786.6	790.0	791.2	790.0	787.7
130°	838.6	844.4	846.7	845.5	843.2
132.5°	890.7	901.1	899.9	898.8	895.3
135°	946.2	953.1	954.3	954.3	949.6
137.5°	998.2	1005.2	1007.5	1008.6	1002.9
140°	1048.0	1053.7	1057.2	1059.5	1053.7
142.5°	1097.7	1102.3	1107.0	1108.1	1102.3
145°	1146.3	1150.9	1154.4	1154.4	1150.9
147.5°	1191.4	1194.9	1197.2	1200.6	1191.4
150°	1236.5	1235.3	1240.0	1240.0	1237.7
152.5°	1273.5	1275.8	1277.0	1280.5	1275.8
155°	1311.7	1311.7	1312.8	1317.5	1311.7
157.5°	1346.4	1344.1	1345.2	1349.9	1341.8
160°	1376.5	1373.0	1374.2	1378.8	1373.0
162.5°	1403.1	1400.8	1400.8	1406.5	1399.6
165°	1426.2	1423.9	1425.0	1429.7	1422.7
167.5°	1447.0	1442.4	1442.4	1449.3	1442.4
170°	1463.2	1458.6	1458.6	1465.5	1457.4
172.5°	1474.8	1470.2	1470.2	1477.1	1470.2
175°	1482.9	1478.3	1478.3	1485.2	1477.1
177.5°	1488.7	1484.0	1482.9	1489.8	1481.7
180°	1486.4	1486.4	1486.4	1486.4	1486.4

(END OF REPORT)