

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: P335132

Luminaire Tested: **S125IW-S1050U935-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335132
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-S1050U935-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1050 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3610.2 lumens
Efficiency: N/A
Efficacy: 184.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

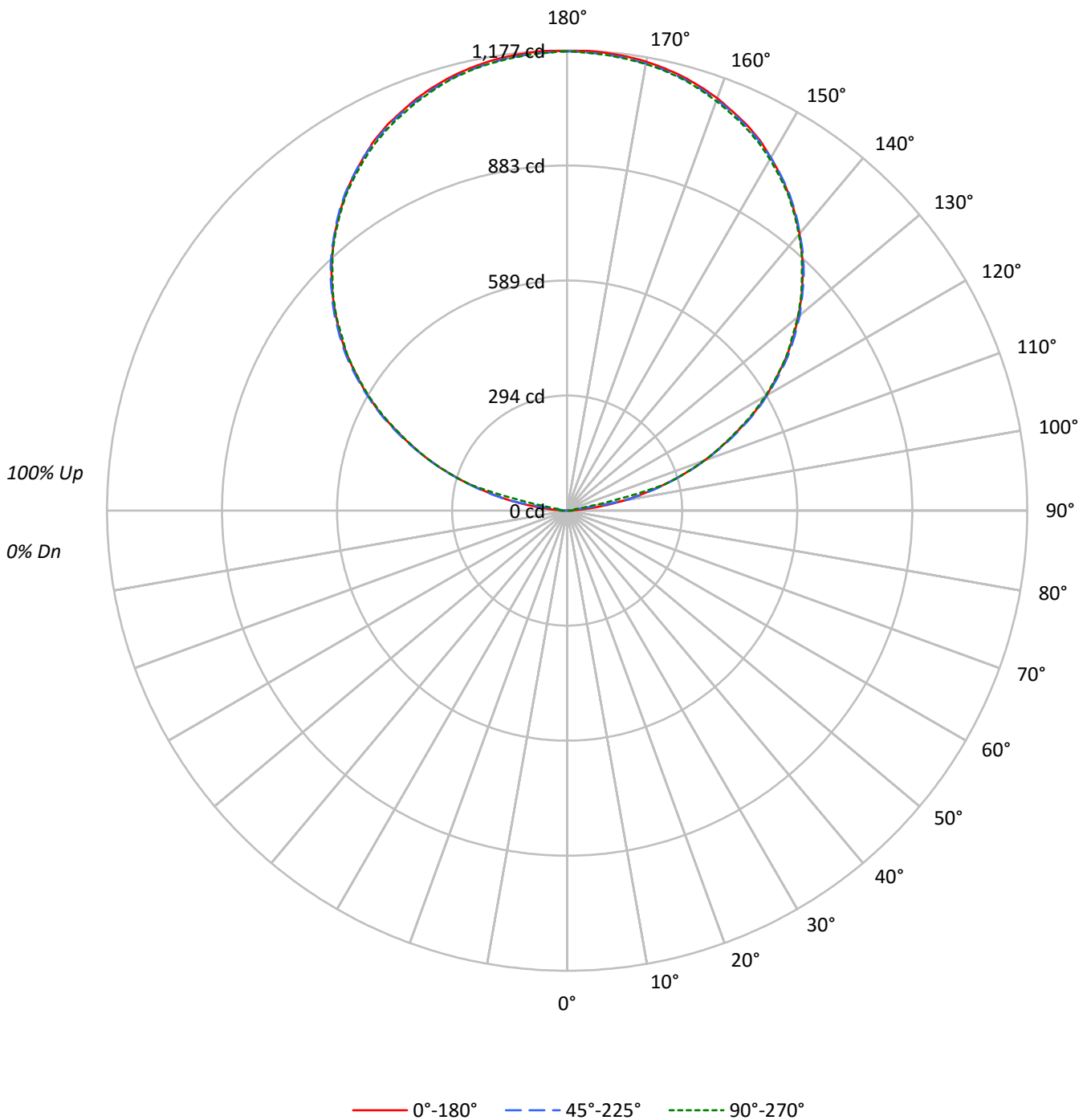
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1.7	0.0
90°-100°	39.9	1.1
100°-110°	265.1	7.3
110°-120°	477.4	13.2
120°-130°	612.8	17.0
130°-140°	659.1	18.3
140°-150°	618.6	17.1
150°-160°	500.4	13.9
160°-170°	323.6	9.0
170°-180°	111.6	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.7	0.0
90°-120°	782.4	21.7
90°-150°	2672.9	74.0
90°-180°	3608.0	99.9
0°-180°	3610.2	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	8	14	18	21	3
95°	50	47	14	18	18	61
105°	256	260	260	260	259	271
115°	481	485	486	482	477	477
125°	684	690	690	686	684	611
135°	852	858	856	854	849	657
145°	988	990	990	991	986	618
155°	1088	1083	1085	1088	1081	502
165°	1149	1143	1144	1149	1142	324
175°	1175	1170	1170	1177	1170	112
180°	1175	1175	1175	1175	1175	



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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°	0.9	7.8	13.9	18.3	20.9
92.5°	16.5	8.7	13.9	18.3	19.2
95°	49.6	47.0	13.9	18.3	18.3
97.5°	93.2	98.4	15.7	17.4	18.3
100°	145.4	148.0	151.5	21.8	18.3
102.5°	198.5	202.0	203.8	205.5	132.4
105°	256.0	259.5	259.5	259.5	258.6
107.5°	315.2	315.2	317.0	317.8	314.4
110°	372.7	372.7	374.4	371.8	372.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	426.7	429.3	430.2	426.7	424.9
115°	480.7	485.0	485.9	482.4	477.2
117.5°	537.3	537.3	540.8	535.5	533.8
120°	589.5	588.7	591.3	589.5	585.2
122.5°	635.7	640.0	640.9	639.2	633.9
125°	683.6	689.7	689.7	686.2	683.6
127.5°	729.7	734.1	733.2	731.5	724.5
130°	771.5	775.9	776.7	774.1	769.8
132.5°	813.3	818.5	815.9	815.9	811.6
135°	852.5	857.7	856.0	854.2	849.0
137.5°	889.1	894.3	892.6	892.6	888.2
140°	924.8	926.5	925.7	927.4	922.2
142.5°	957.0	957.9	959.6	959.6	954.4
145°	988.3	990.1	990.1	991.0	985.7
147.5°	1016.2	1016.2	1017.1	1018.0	1011.9
150°	1042.3	1040.6	1042.3	1044.1	1037.1
152.5°	1067.6	1063.2	1065.0	1066.7	1060.6
155°	1088.5	1083.3	1085.0	1087.6	1080.7
157.5°	1105.0	1102.4	1102.4	1105.0	1098.1
160°	1122.5	1117.2	1118.1	1121.6	1114.6
162.5°	1136.4	1131.2	1132.0	1137.3	1129.4
165°	1148.6	1143.3	1144.2	1149.4	1142.5
167.5°	1158.2	1152.9	1153.8	1159.9	1152.1
170°	1166.0	1159.9	1160.8	1167.7	1159.9
172.5°	1171.2	1165.1	1166.9	1173.0	1165.1
175°	1174.7	1169.5	1170.3	1177.3	1169.5
177.5°	1177.3	1172.1	1173.0	1179.1	1172.1
180°	1174.7	1174.7	1174.7	1174.7	1174.7

(END OF REPORT)