

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: P335122

Luminaire Tested: **S125IW-S1050U927-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335122
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-S1050U927-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1050 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3321.6 lumens
Efficiency: N/A
Efficacy: 169.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

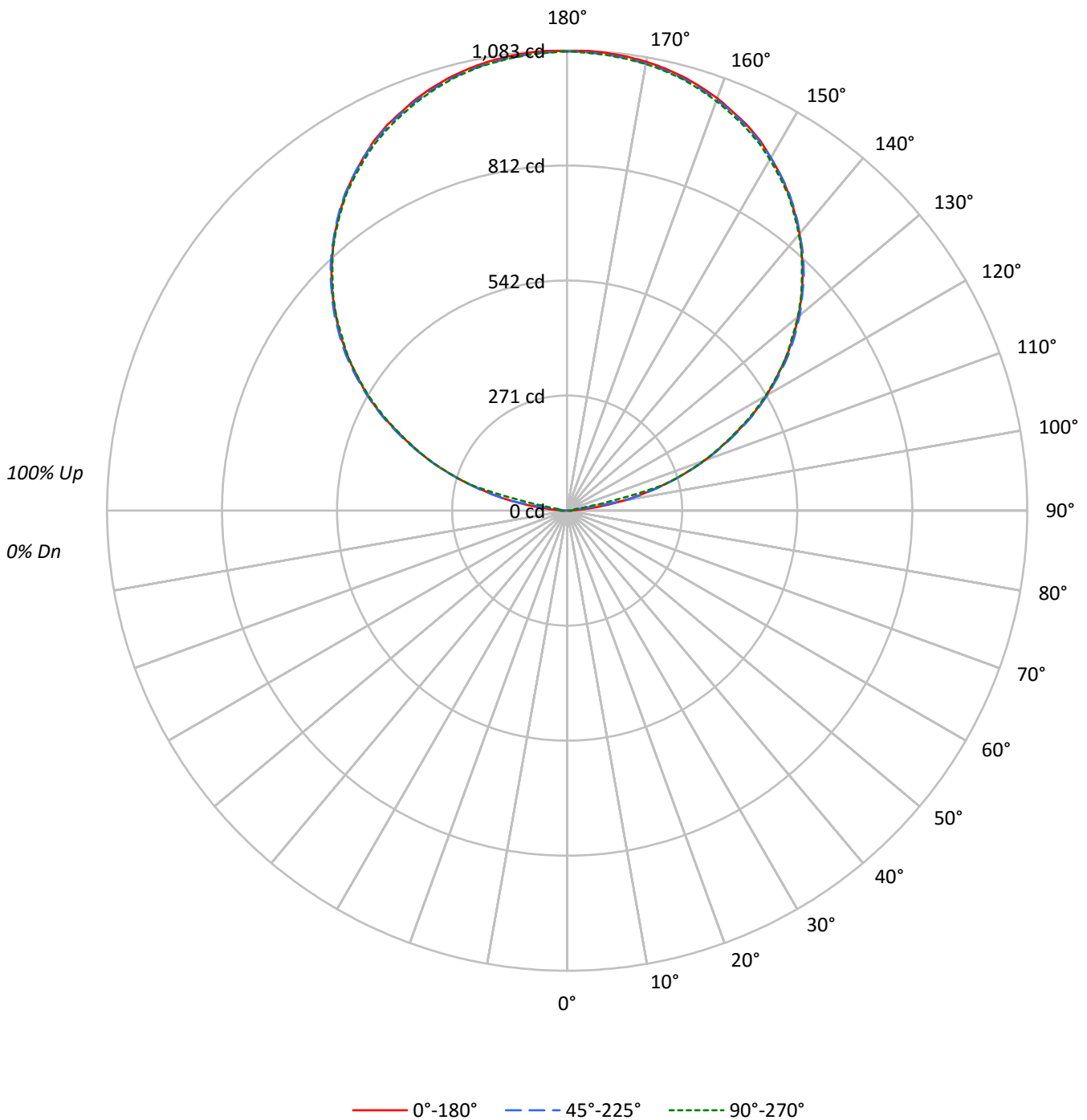
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1.6	0.0
90°-100°	36.7	1.1
100°-110°	243.9	7.3
110°-120°	439.3	13.2
120°-130°	563.8	17.0
130°-140°	606.4	18.3
140°-150°	569.1	17.1
150°-160°	460.4	13.9
160°-170°	297.7	9.0
170°-180°	102.7	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.6	0.0
90°-120°	719.9	21.7
90°-150°	2459.2	74.0
90°-180°	3320.0	100.0
0°-180°	3321.6	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	7	13	17	19	2
95°	46	43	13	17	17	56
105°	236	239	239	239	238	250
115°	442	446	447	444	439	438
125°	629	634	634	631	629	562
135°	784	789	788	786	781	605
145°	909	911	911	912	907	569
155°	1002	997	998	1001	994	461
165°	1057	1052	1053	1058	1051	299
175°	1081	1076	1077	1083	1076	103
180°	1081	1081	1081	1081	1081	



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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°	0.8	7.2	12.8	16.8	19.2
92.5°	15.2	8.0	12.8	16.8	17.6
95°	45.7	43.3	12.8	16.8	16.8
97.5°	85.7	90.5	14.4	16.0	16.8
100°	133.8	136.2	139.4	20.0	16.8
102.5°	182.7	185.9	187.5	189.1	121.8
105°	235.6	238.8	238.8	238.8	238.0
107.5°	290.0	290.0	291.6	292.4	289.2
110°	342.9	342.9	344.5	342.1	342.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	392.6	395.0	395.8	392.6	391.0
115°	442.3	446.3	447.1	443.9	439.1
117.5°	494.3	494.3	497.5	492.7	491.1
120°	542.4	541.6	544.0	542.4	538.4
122.5°	584.9	588.9	589.7	588.1	583.3
125°	628.9	634.5	634.5	631.3	628.9
127.5°	671.4	675.4	674.6	673.0	666.6
130°	709.9	713.9	714.7	712.3	708.3
132.5°	748.3	753.1	750.7	750.7	746.7
135°	784.4	789.2	787.6	786.0	781.2
137.5°	818.0	822.8	821.2	821.2	817.2
140°	850.9	852.5	851.7	853.3	848.5
142.5°	880.5	881.3	882.9	882.9	878.1
145°	909.4	911.0	911.0	911.8	906.9
147.5°	935.0	935.0	935.8	936.6	931.0
150°	959.0	957.4	959.0	960.6	954.2
152.5°	982.3	978.3	979.9	981.5	975.9
155°	1001.5	996.7	998.3	1000.7	994.3
157.5°	1016.7	1014.3	1014.3	1016.7	1010.3
160°	1032.7	1027.9	1028.7	1031.9	1025.5
162.5°	1045.6	1040.7	1041.5	1046.4	1039.1
165°	1056.8	1052.0	1052.8	1057.6	1051.2
167.5°	1065.6	1060.8	1061.6	1067.2	1060.0
170°	1072.8	1067.2	1068.0	1074.4	1067.2
172.5°	1077.6	1072.0	1073.6	1079.2	1072.0
175°	1080.8	1076.0	1076.8	1083.2	1076.0
177.5°	1083.2	1078.4	1079.2	1084.8	1078.4
180°	1080.8	1080.8	1080.8	1080.8	1080.8

(END OF REPORT)