

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: P335126

Luminaire Tested: **S125IW-S770U930-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335126
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-S770U930-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 770 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

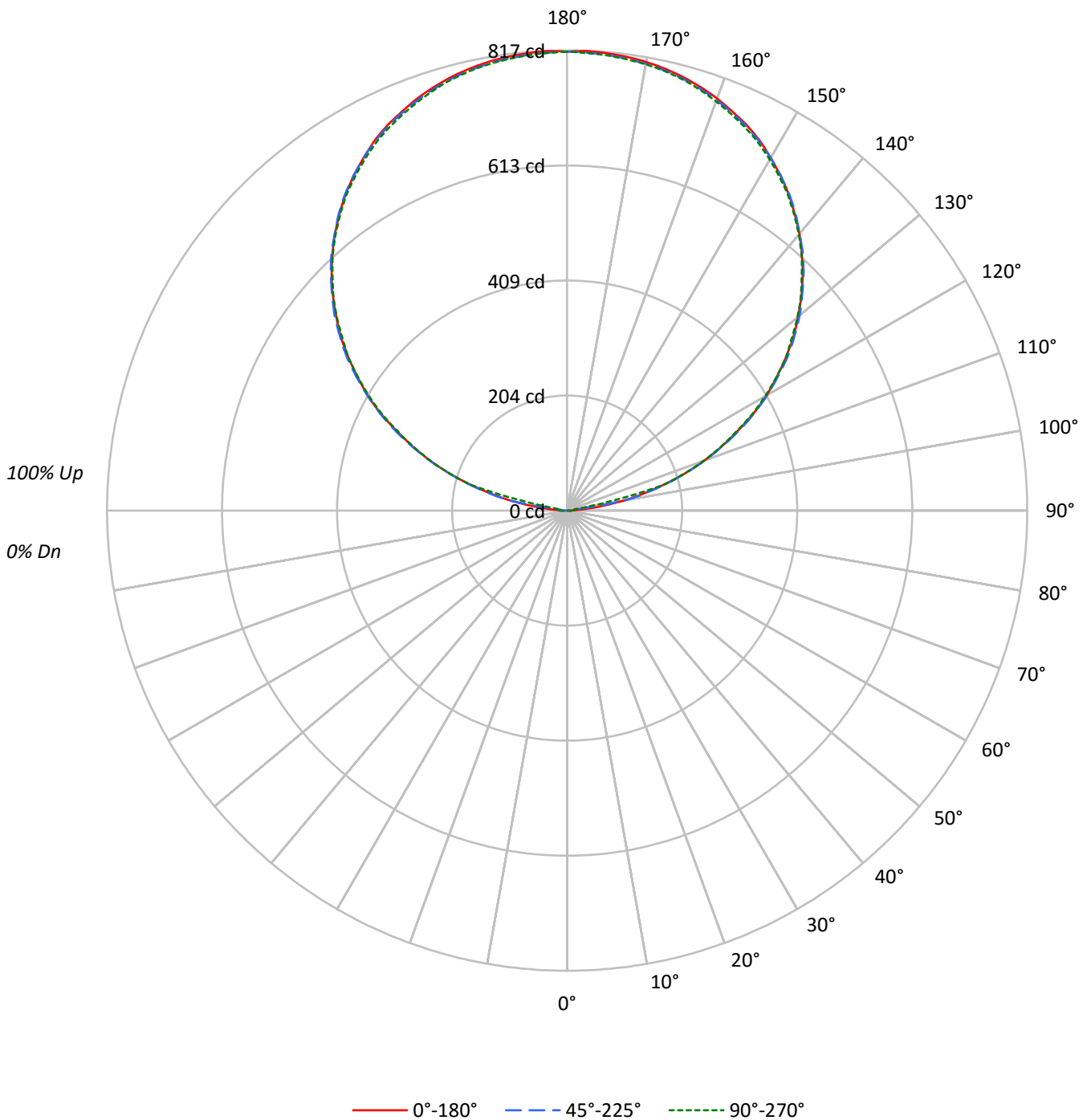
Lumens per Lamp: N/A
Luminaire Lumens: 2504.6 lumens
Efficiency: N/A
Efficacy: 178.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 14
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°	1.2	0.0
90°-100°	27.7	1.1
100°-110°	183.9	7.3
110°-120°	331.2	13.2
120°-130°	425.1	17.0
130°-140°	457.2	18.3
140°-150°	429.1	17.1
150°-160°	347.1	13.9
160°-170°	224.5	9.0
170°-180°	77.4	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.2	0.0
90°-120°	542.8	21.7
90°-150°	1854.3	74.0
90°-180°	2503.0	99.9
0°-180°	2504.6	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	5	10	13	14	2
95°	34	33	10	13	13	42
105°	178	180	180	180	179	188
115°	334	336	337	335	331	331
125°	474	478	478	476	474	424
135°	591	595	594	593	589	456
145°	686	687	687	688	684	429
155°	755	752	753	754	750	348
165°	797	793	794	797	793	225
175°	815	811	812	817	811	78
180°	815	815	815	815	815	



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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°	0.6	5.4	9.7	12.7	14.5
92.5°	11.5	6.0	9.7	12.7	13.3
95°	34.4	32.6	9.7	12.7	12.7
97.5°	64.6	68.3	10.9	12.1	12.7
100°	100.9	102.7	105.1	15.1	12.7
102.5°	137.7	140.2	141.4	142.6	91.8
105°	177.6	180.0	180.0	180.0	179.4
107.5°	218.7	218.7	219.9	220.5	218.1
110°	258.6	258.6	259.8	258.0	258.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	296.0	297.8	298.4	296.0	294.8
115°	333.5	336.5	337.1	334.7	331.1
117.5°	372.7	372.7	375.2	371.5	370.3
120°	409.0	408.4	410.2	409.0	406.0
122.5°	441.0	444.0	444.6	443.4	439.8
125°	474.2	478.5	478.5	476.0	474.2
127.5°	506.2	509.3	508.7	507.5	502.6
130°	535.2	538.3	538.9	537.1	534.0
132.5°	564.2	567.9	566.0	566.0	563.0
135°	591.4	595.0	593.8	592.6	589.0
137.5°	616.8	620.4	619.2	619.2	616.2
140°	641.6	642.8	642.2	643.4	639.7
142.5°	663.9	664.5	665.7	665.7	662.1
145°	685.7	686.9	686.9	687.5	683.8
147.5°	705.0	705.0	705.6	706.2	702.0
150°	723.1	721.9	723.1	724.3	719.5
152.5°	740.6	737.6	738.8	740.0	735.8
155°	755.1	751.5	752.7	754.5	749.7
157.5°	766.6	764.8	764.8	766.6	761.8
160°	778.7	775.1	775.7	778.1	773.3
162.5°	788.4	784.7	785.3	789.0	783.5
165°	796.8	793.2	793.8	797.4	792.6
167.5°	803.5	799.8	800.4	804.7	799.2
170°	808.9	804.7	805.3	810.1	804.7
172.5°	812.5	808.3	809.5	813.7	808.3
175°	814.9	811.3	811.9	816.8	811.3
177.5°	816.8	813.1	813.7	818.0	813.1
180°	814.9	814.9	814.9	814.9	814.9

(END OF REPORT)