

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: P335087

Luminaire Tested: **S125IP-S810U927-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335087
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: S125IP-S810U927-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 810 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2568.5 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

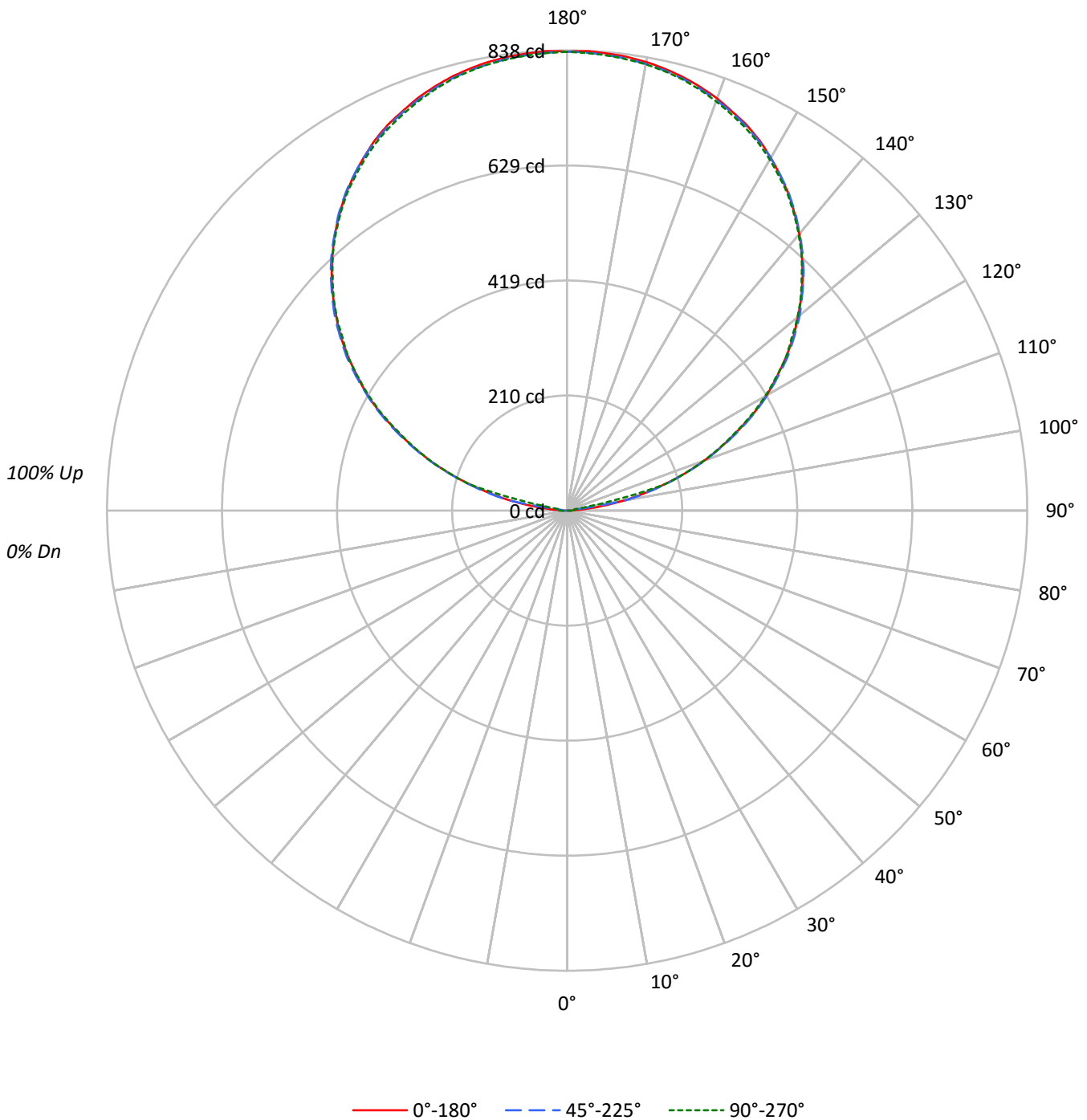
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28.4	1.1
100°-110°	188.6	7.3
110°-120°	339.7	13.2
120°-130°	436.0	17.0
130°-140°	468.9	18.3
140°-150°	440.1	17.1
150°-160°	356.0	13.9
160°-170°	230.2	9.0
170°-180°	79.4	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°	556.6	21.7
90°-150°	1901.6	74.0
90°-180°	2567.0	99.9
0°-180°	2568.5	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	6	10	13	15	2
95°	35	34	10	13	13	43
105°	182	185	185	185	184	193
115°	342	345	346	343	340	339
125°	486	491	491	488	486	434
135°	606	610	609	608	604	468
145°	703	704	704	705	701	440
155°	774	771	772	774	769	357
165°	817	813	814	818	813	231
175°	836	832	833	838	832	80
180°	836	836	836	836	836	



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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	5.6	9.9	13.0	14.9
92.5°	11.8	6.2	9.9	13.0	13.6
95°	35.3	33.5	9.9	13.0	13.0
97.5°	66.3	70.0	11.2	12.4	13.0
100°	103.5	105.3	107.8	15.5	13.0
102.5°	141.3	143.7	145.0	146.2	94.2
105°	182.1	184.6	184.6	184.6	184.0
107.5°	224.3	224.3	225.5	226.1	223.6
110°	265.2	265.2	266.4	264.5	265.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	303.6	305.4	306.0	303.6	302.3
115°	342.0	345.1	345.7	343.2	339.5
117.5°	382.2	382.2	384.7	381.0	379.8
120°	419.4	418.8	420.7	419.4	416.3
122.5°	452.3	455.3	456.0	454.7	451.0
125°	486.3	490.7	490.7	488.2	486.3
127.5°	519.2	522.3	521.6	520.4	515.4
130°	548.9	552.0	552.6	550.8	547.7
132.5°	578.6	582.4	580.5	580.5	577.4
135°	606.5	610.2	609.0	607.8	604.0
137.5°	632.5	636.2	635.0	635.0	631.9
140°	657.9	659.2	658.6	659.8	656.1
142.5°	680.9	681.5	682.7	682.7	679.0
145°	703.2	704.4	704.4	705.0	701.3
147.5°	723.0	723.0	723.6	724.2	719.9
150°	741.6	740.3	741.6	742.8	737.9
152.5°	759.5	756.4	757.7	758.9	754.6
155°	774.4	770.7	771.9	773.8	768.8
157.5°	786.2	784.3	784.3	786.2	781.2
160°	798.6	794.8	795.5	797.9	793.0
162.5°	808.5	804.8	805.4	809.1	803.5
165°	817.1	813.4	814.1	817.8	812.8
167.5°	824.0	820.2	820.9	825.2	819.6
170°	829.5	825.2	825.8	830.8	825.2
172.5°	833.3	828.9	830.2	834.5	828.9
175°	835.7	832.0	832.6	837.6	832.0
177.5°	837.6	833.9	834.5	838.8	833.9
180°	835.7	835.7	835.7	835.7	835.7

(END OF REPORT)