

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: P335070

Luminaire Tested: **S125IP-S365U830-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335070
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-S365U830-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 365 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1381.3 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

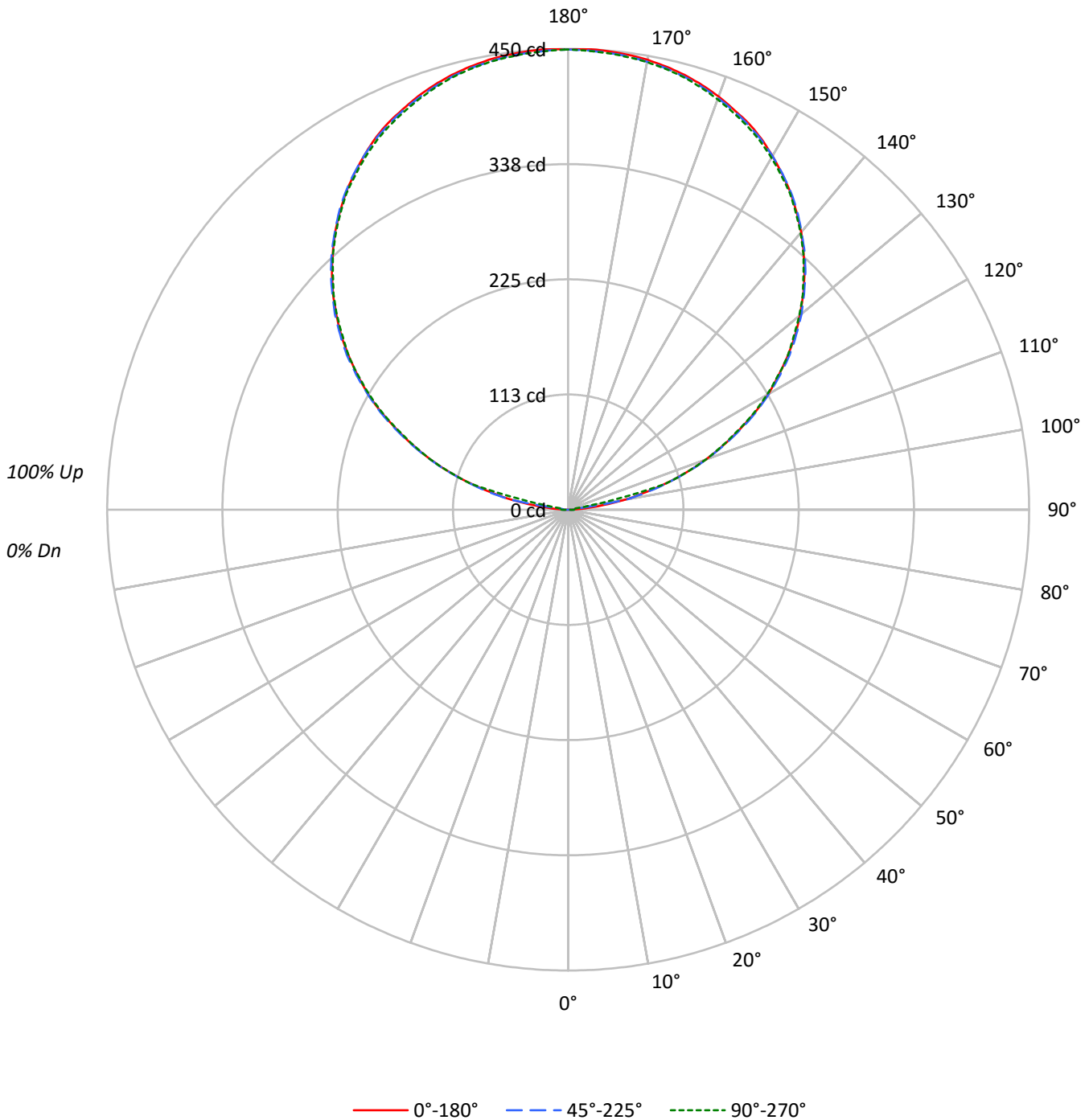
Input Watts (W): 11.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	0.7	0.0
90°-100°	15.2	1.1
100°-110°	101.4	7.3
110°-120°	182.7	13.2
120°-130°	234.5	17.0
130°-140°	252.2	18.3
140°-150°	236.7	17.1
150°-160°	191.4	13.9
160°-170°	123.8	9.0
170°-180°	42.7	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.7	0.0
90°-120°	299.4	21.7
90°-150°	1022.7	74.0
90°-180°	1381.0	100.0
0°-180°	1381.3	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°	0	3	5	7	8	1
95°	19	18	5	7	7	23
105°	98	99	99	99	99	104
115°	184	186	186	185	183	182
125°	262	264	264	262	262	234
135°	326	328	328	327	325	251
145°	378	379	379	379	377	237
155°	416	414	415	416	414	192
165°	440	438	438	440	437	124
175°	449	448	448	450	448	43
180°	449	449	449	449	449	



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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°	0.3	3.0	5.3	7.0	8.0
92.5°	6.3	3.3	5.3	7.0	7.3
95°	19.0	18.0	5.3	7.0	7.0
97.5°	35.6	37.6	6.0	6.7	7.0
100°	55.6	56.6	58.0	8.3	7.0
102.5°	76.0	77.3	78.0	78.6	50.6
105°	98.0	99.3	99.3	99.3	99.0
107.5°	120.6	120.6	121.3	121.6	120.3
110°	142.6	142.6	143.3	142.3	142.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	163.3	164.3	164.6	163.3	162.6
115°	183.9	185.6	185.9	184.6	182.6
117.5°	205.6	205.6	206.9	204.9	204.2
120°	225.6	225.2	226.2	225.6	223.9
122.5°	243.2	244.9	245.2	244.5	242.5
125°	261.5	263.9	263.9	262.5	261.5
127.5°	279.2	280.9	280.5	279.9	277.2
130°	295.2	296.9	297.2	296.2	294.5
132.5°	311.2	313.2	312.2	312.2	310.5
135°	326.2	328.2	327.5	326.8	324.8
137.5°	340.2	342.2	341.5	341.5	339.8
140°	353.8	354.5	354.2	354.8	352.8
142.5°	366.2	366.5	367.2	367.2	365.2
145°	378.2	378.8	378.8	379.2	377.2
147.5°	388.8	388.8	389.1	389.5	387.1
150°	398.8	398.1	398.8	399.5	396.8
152.5°	408.5	406.8	407.5	408.1	405.8
155°	416.5	414.5	415.1	416.1	413.5
157.5°	422.8	421.8	421.8	422.8	420.1
160°	429.5	427.5	427.8	429.1	426.5
162.5°	434.8	432.8	433.1	435.1	432.1
165°	439.5	437.5	437.8	439.8	437.1
167.5°	443.1	441.1	441.5	443.8	440.8
170°	446.1	443.8	444.1	446.8	443.8
172.5°	448.1	445.8	446.5	448.8	445.8
175°	449.4	447.5	447.8	450.4	447.5
177.5°	450.4	448.5	448.8	451.1	448.5
180°	449.4	449.4	449.4	449.4	449.4

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