

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: P335095

Luminaire Tested: **S125IP-S365U935-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335095
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-S365U935-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 365 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

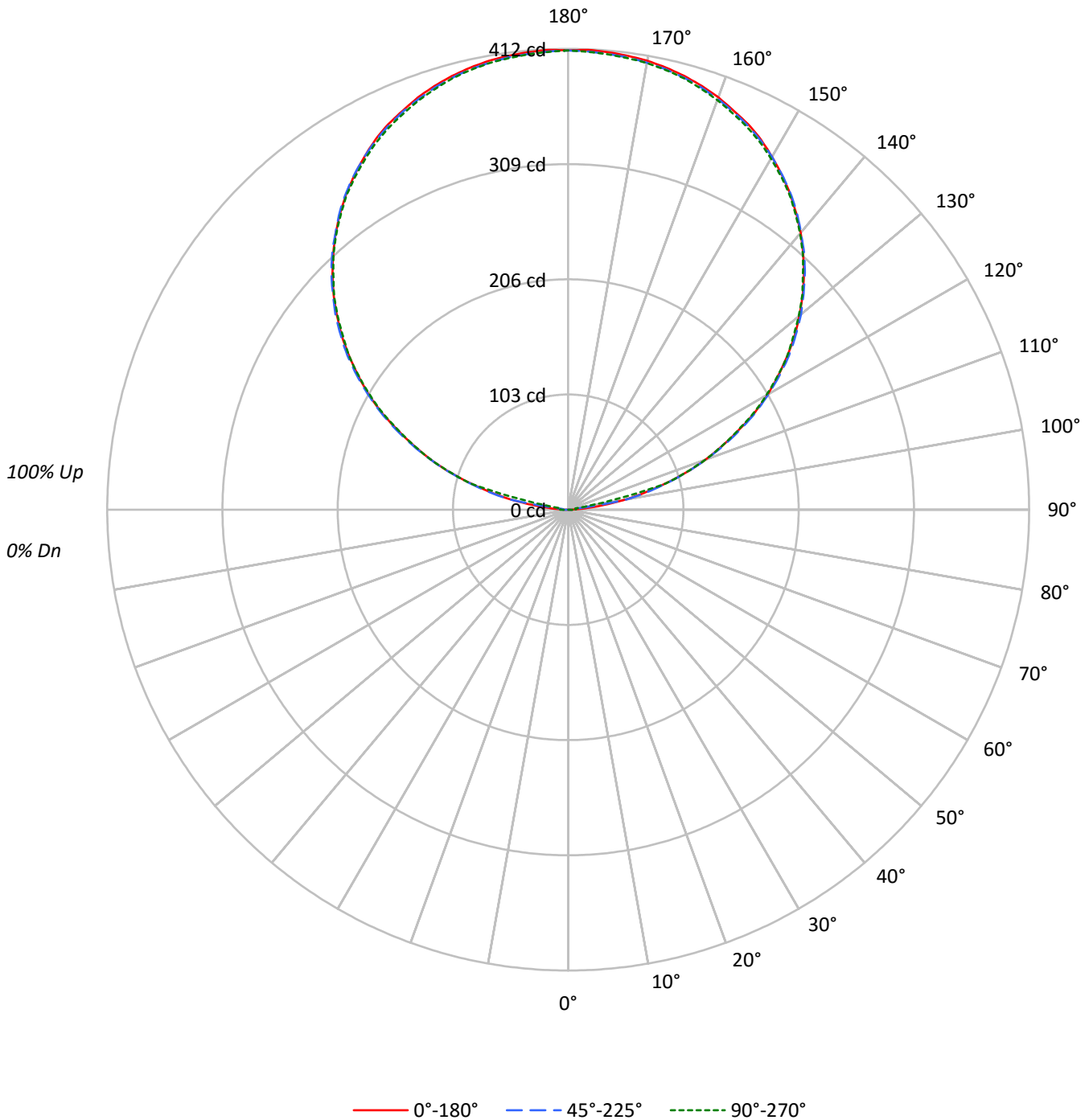
Lumens per Lamp: N/A
Luminaire Lumens: 1261.8 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 11.4
Input Voltage (V): 120
Input Current (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°	0.6	0.0
90°-100°	13.9	1.1
100°-110°	92.7	7.3
110°-120°	166.9	13.2
120°-130°	214.2	17.0
130°-140°	230.4	18.3
140°-150°	216.2	17.1
150°-160°	174.9	13.9
160°-170°	113.1	9.0
170°-180°	39.0	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.6	0.0
90°-120°	273.5	21.7
90°-150°	934.2	74.0
90°-180°	1261.0	99.9
0°-180°	1261.8	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	6	7	1
95°	17	16	5	6	6	21
105°	90	91	91	91	90	95
115°	168	170	170	169	167	167
125°	239	241	241	240	239	213
135°	298	300	299	299	297	230
145°	345	346	346	346	344	216
155°	380	379	379	380	378	175
165°	401	400	400	402	399	113
175°	411	409	409	412	409	39
180°	411	411	411	411	411	



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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	2.7	4.9	6.4	7.3
92.5°	5.8	3.0	4.9	6.4	6.7
95°	17.3	16.4	4.9	6.4	6.4
97.5°	32.6	34.4	5.5	6.1	6.4
100°	50.8	51.7	53.0	7.6	6.4
102.5°	69.4	70.6	71.2	71.8	46.3
105°	89.5	90.7	90.7	90.7	90.4
107.5°	110.2	110.2	110.8	111.1	109.9
110°	130.3	130.3	130.9	130.0	130.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	149.1	150.0	150.3	149.1	148.5
115°	168.0	169.5	169.8	168.6	166.8
117.5°	187.8	187.8	189.0	187.2	186.6
120°	206.0	205.7	206.7	206.0	204.5
122.5°	222.2	223.7	224.0	223.4	221.6
125°	238.9	241.0	241.0	239.8	238.9
127.5°	255.0	256.6	256.3	255.7	253.2
130°	269.7	271.2	271.5	270.6	269.0
132.5°	284.3	286.1	285.2	285.2	283.7
135°	298.0	299.8	299.2	298.6	296.7
137.5°	310.7	312.6	312.0	312.0	310.4
140°	323.2	323.8	323.5	324.1	322.3
142.5°	334.5	334.8	335.4	335.4	333.6
145°	345.4	346.0	346.0	346.3	344.5
147.5°	355.2	355.2	355.5	355.8	353.7
150°	364.3	363.7	364.3	364.9	362.5
152.5°	373.1	371.6	372.2	372.8	370.7
155°	380.4	378.6	379.2	380.1	377.7
157.5°	386.2	385.3	385.3	386.2	383.8
160°	392.3	390.5	390.8	392.0	389.6
162.5°	397.2	395.3	395.7	397.5	394.7
165°	401.4	399.6	399.9	401.7	399.3
167.5°	404.8	403.0	403.3	405.4	402.7
170°	407.5	405.4	405.7	408.1	405.4
172.5°	409.3	407.2	407.8	410.0	407.2
175°	410.6	408.7	409.0	411.5	408.7
177.5°	411.5	409.7	410.0	412.1	409.7
180°	410.6	410.6	410.6	410.6	410.6

(END OF REPORT)