

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: P335075

Luminaire Tested: **S125IP-S365U835-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335075
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-S365U835-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 365 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

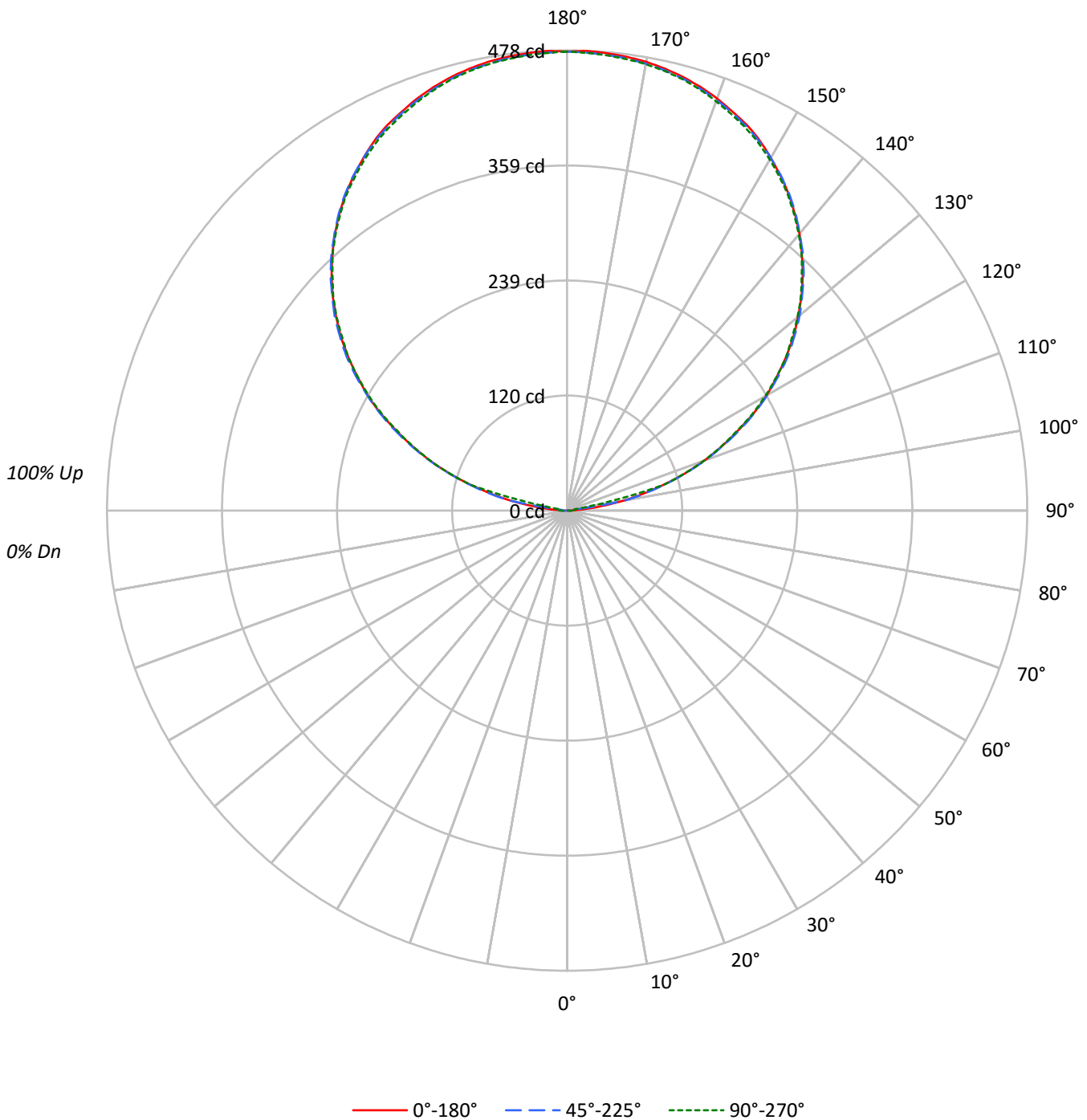
Lumens per Lamp: N/A
Luminaire Lumens: 1465.5 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 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°	0.7	0.0
90°-100°	16.2	1.1
100°-110°	107.6	7.3
110°-120°	193.8	13.2
120°-130°	248.8	17.0
130°-140°	267.5	18.3
140°-150°	251.1	17.1
150°-160°	203.1	13.9
160°-170°	131.4	9.0
170°-180°	45.3	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°	317.6	21.7
90°-150°	1085.0	74.0
90°-180°	1465.0	100.0
0°-180°	1465.5	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°	0	3	6	7	8	1
95°	20	19	6	7	7	25
105°	104	105	105	105	105	110
115°	195	197	197	196	194	193
125°	278	280	280	278	278	248
135°	346	348	348	347	345	267
145°	401	402	402	402	400	251
155°	442	440	440	442	439	204
165°	466	464	464	467	464	132
175°	477	475	475	478	475	45
180°	477	477	477	477	477	



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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°	0.4	3.2	5.7	7.4	8.5
92.5°	6.7	3.5	5.7	7.4	7.8
95°	20.1	19.1	5.7	7.4	7.4
97.5°	37.8	39.9	6.4	7.1	7.4
100°	59.0	60.1	61.5	8.8	7.4
102.5°	80.6	82.0	82.7	83.4	53.7
105°	103.9	105.3	105.3	105.3	105.0
107.5°	128.0	128.0	128.7	129.0	127.6
110°	151.3	151.3	152.0	150.9	151.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	173.2	174.3	174.6	173.2	172.5
115°	195.1	196.9	197.2	195.8	193.7
117.5°	218.1	218.1	219.5	217.4	216.7
120°	239.3	239.0	240.0	239.3	237.5
122.5°	258.0	259.8	260.2	259.5	257.3
125°	277.5	280.0	280.0	278.5	277.5
127.5°	296.2	298.0	297.6	296.9	294.1
130°	313.2	315.0	315.3	314.2	312.5
132.5°	330.2	332.3	331.2	331.2	329.4
135°	346.1	348.2	347.5	346.8	344.6
137.5°	360.9	363.0	362.3	362.3	360.6
140°	375.4	376.1	375.8	376.5	374.3
142.5°	388.5	388.8	389.5	389.5	387.4
145°	401.2	401.9	401.9	402.3	400.1
147.5°	412.5	412.5	412.9	413.2	410.7
150°	423.1	422.4	423.1	423.8	421.0
152.5°	433.4	431.6	432.3	433.0	430.5
155°	441.9	439.7	440.4	441.5	438.7
157.5°	448.6	447.5	447.5	448.6	445.7
160°	455.6	453.5	453.9	455.3	452.5
162.5°	461.3	459.2	459.5	461.6	458.5
165°	466.2	464.1	464.5	466.6	463.8
167.5°	470.1	468.0	468.4	470.8	467.7
170°	473.3	470.8	471.2	474.0	470.8
172.5°	475.4	473.0	473.7	476.1	473.0
175°	476.8	474.7	475.1	477.9	474.7
177.5°	477.9	475.8	476.1	478.6	475.8
180°	476.8	476.8	476.8	476.8	476.8

(END OF REPORT)