

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: PORTFOLIO

Report Number: P246685

Luminaire Tested: **LSR8B15D010 EC8B15830 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15830 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1473.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

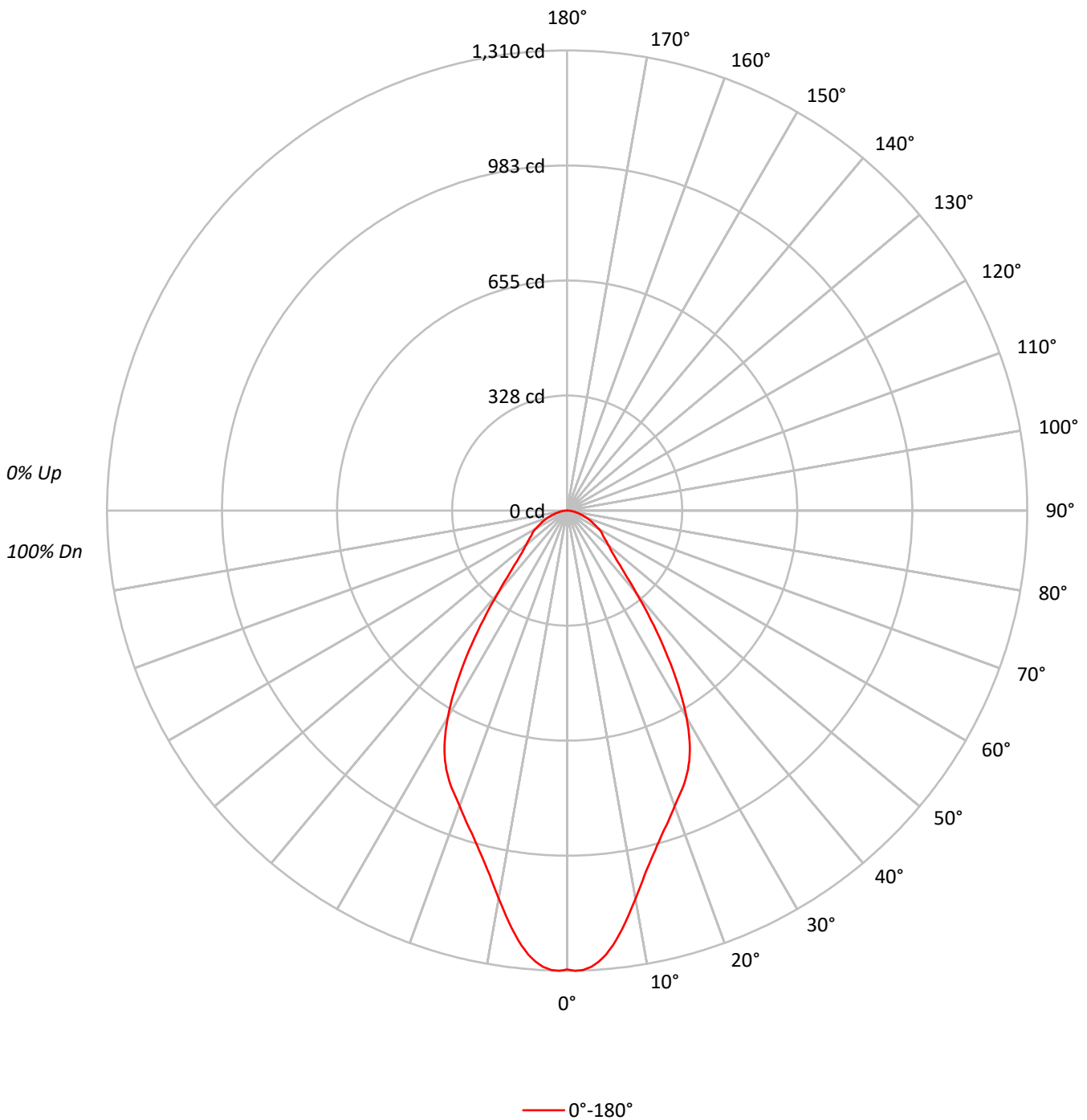
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40294
5°	39271
10°	35107
15°	31551
20°	29380
25°	27679
30°	24202
35°	18336
40°	12318
45°	8683
50°	7364
55°	6715
60°	6358
65°	5720
70°	5148
75°	4635
80°	4084
85°	3927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	7.9
10°-20°	278.7	18.9
20°-30°	369.3	25.1
30°-40°	302.8	20.6
40°-50°	161.3	11.0
50°-60°	113.6	7.7
60°-70°	78.3	5.3
70°-80°	40.8	2.8
80°-90°	12.1	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	764.1	51.9
0°-40°	1067.0	72.4
0°-60°	1341.9	91.1
0°-90°	1473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1307	
5°	1269	116
15°	988	279
25°	814	369
35°	487	303
45°	199	161
55°	125	114
65°	78	78
75°	39	41
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1306.7
1°	1310.4
2°	1308.8
3°	1301.0
4°	1287.8
5°	1268.7
6°	1244.9
7°	1216.2
8°	1185.5
9°	1152.8
10°	1121.2
11°	1091.0
12°	1060.3
13°	1034.7
14°	1010.4
15°	988.3
16°	967.4
17°	948.1
18°	930.3
19°	912.4
20°	895.3
21°	878.7
22°	864.2
23°	849.3
24°	831.9
25°	813.5
26°	792.7
27°	769.2
28°	742.7
29°	713.4
30°	679.7
31°	644.3
32°	607.2
33°	567.7
34°	527.9
35°	487.1
37.5°	390.3
40°	306.0
42.5°	241.6
45°	199.1
47.5°	171.0
50°	153.5
52.5°	138.1
55°	124.9
57.5°	116.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	103.1
62.5°	89.9
65°	78.4
67.5°	68.2
70°	57.1
72.5°	47.7
75°	38.9
77.5°	28.1
80°	23.0
82.5°	16.6
85°	11.1
87.5°	5.2
90°	0.0

(END OF REPORT)