

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: P246721

Luminaire Tested: **LSR8B15D010 EC8B15935 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246721
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 EC8B15935 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1307.0 lumens
Efficiency: N/A
Efficacy: 90.8 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

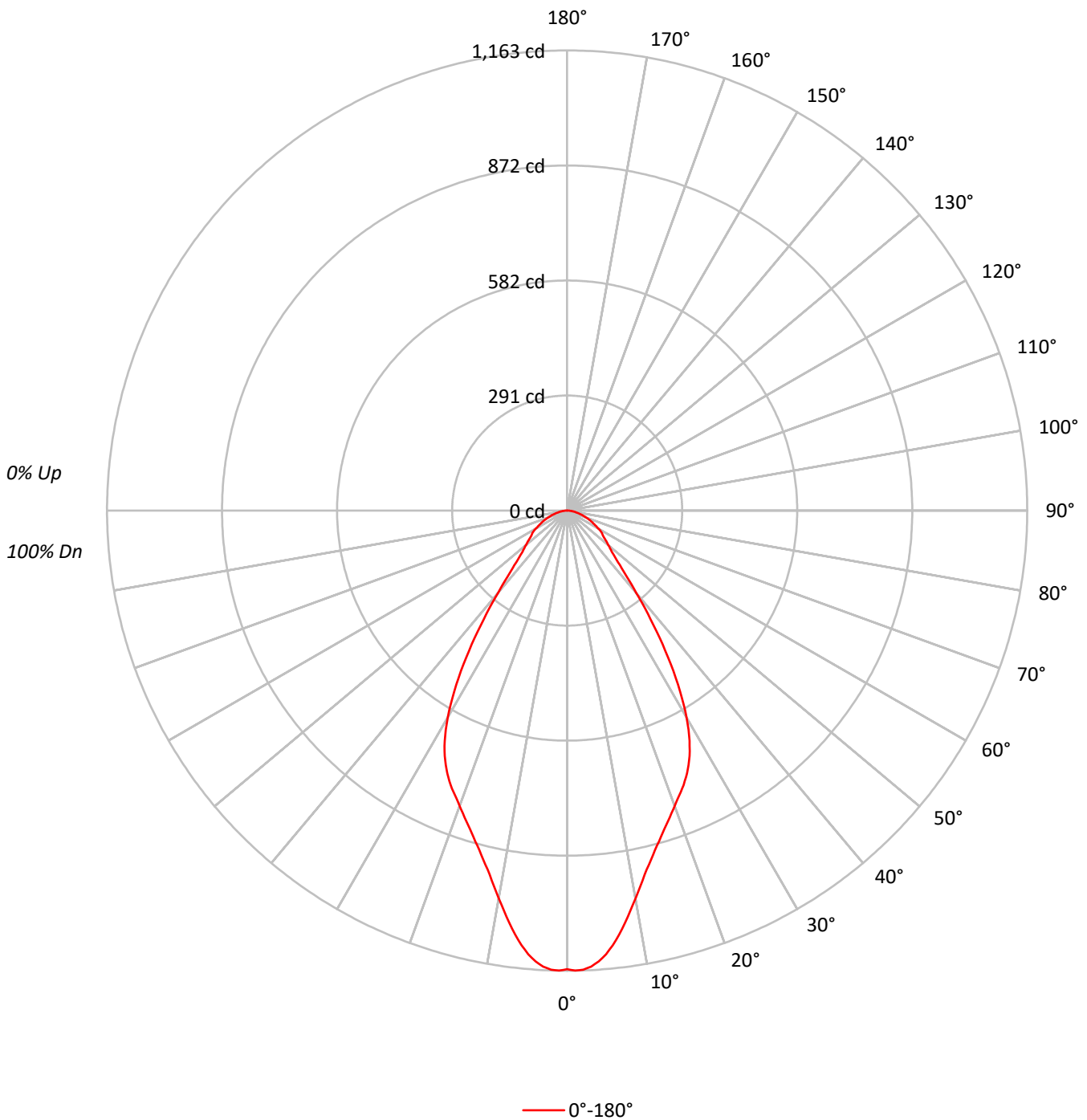
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	35752
5°	34845
10°	31152
15°	27994
20°	26068
25°	24559
30°	21474
35°	16270
40°	10929
45°	7701
50°	6534
55°	5957
60°	5643
65°	5078
70°	4571
75°	4110
80°	3623
85°	3503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	7.9
10°-20°	247.3	18.9
20°-30°	327.7	25.1
30°-40°	268.7	20.6
40°-50°	143.1	11.0
50°-60°	100.8	7.7
60°-70°	69.5	5.3
70°-80°	36.2	2.8
80°-90°	10.7	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°	678.0	51.9
0°-40°	946.7	72.4
0°-60°	1190.6	91.1
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1159	
5°	1126	103
15°	877	247
25°	722	328
35°	432	269
45°	177	143
55°	111	101
65°	70	69
75°	34	36
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1159.4
1°	1162.7
2°	1161.3
3°	1154.4
4°	1142.7
5°	1125.7
6°	1104.6
7°	1079.2
8°	1051.9
9°	1022.9
10°	994.9
11°	968.1
12°	940.8
13°	918.1
14°	896.6
15°	876.9
16°	858.4
17°	841.3
18°	825.4
19°	809.6
20°	794.4
21°	779.7
22°	766.8
23°	753.6
24°	738.1
25°	721.8
26°	703.3
27°	682.5
28°	659.0
29°	633.0
30°	603.1
31°	571.7
32°	538.8
33°	503.7
34°	468.4
35°	432.2
37.5°	346.3
40°	271.5
42.5°	214.4
45°	176.6
47.5°	151.7
50°	136.2
52.5°	122.6
55°	110.8
57.5°	103.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	91.5
62.5°	79.8
65°	69.6
67.5°	60.5
70°	50.7
72.5°	42.3
75°	34.5
77.5°	24.9
80°	20.4
82.5°	14.7
85°	9.9
87.5°	4.6
90°	0.0

(END OF REPORT)