

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: P244375

Luminaire Tested: **LSR8B15D010 EC8B15827 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15827 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1409.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

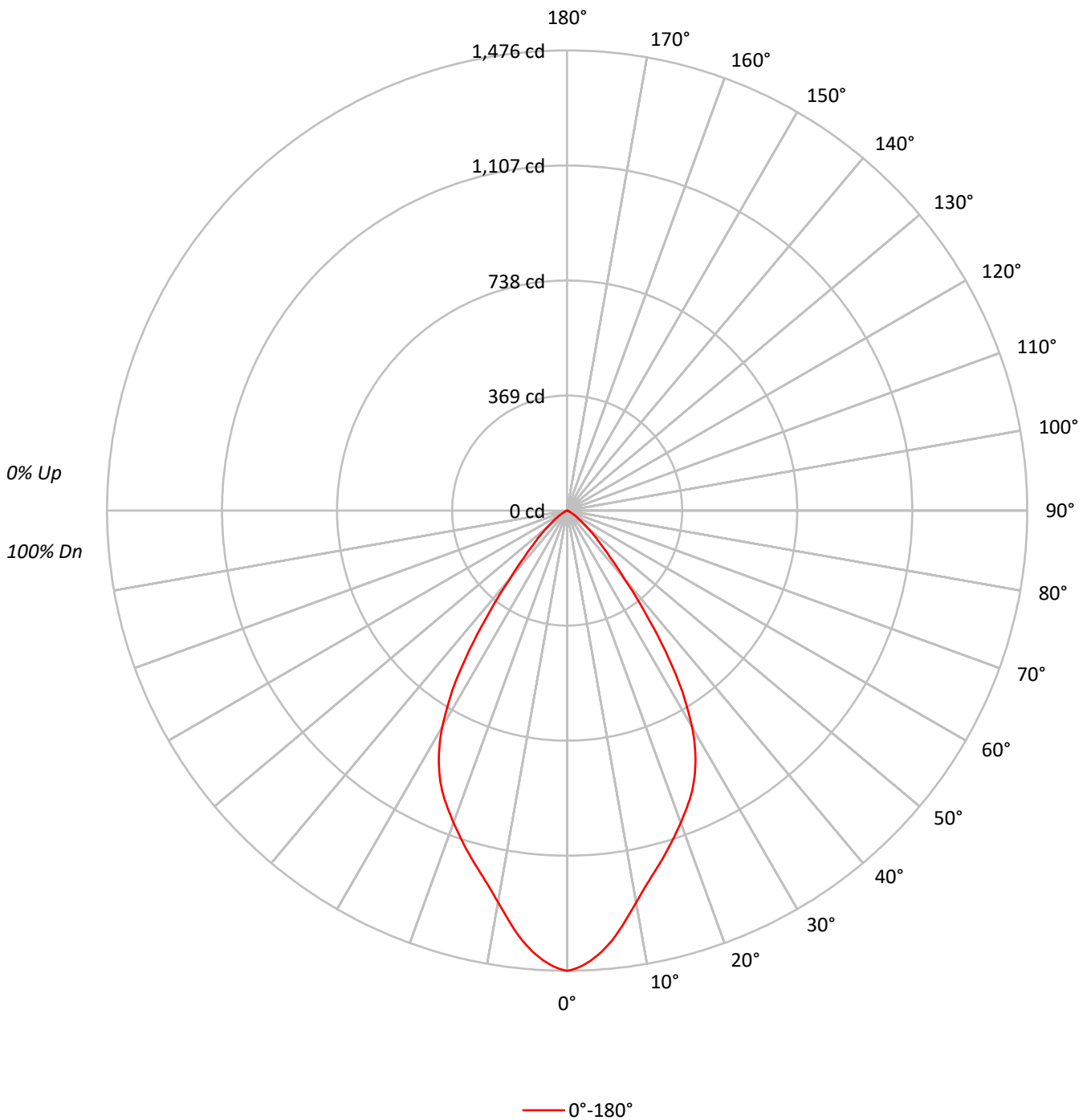
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45527
5°	43596
10°	39948
15°	37172
20°	34961
25°	32711
30°	28528
35°	20618
40°	11557
45°	6650
50°	4068
55°	2317
60°	1203
65°	613
70°	334
75°	203
80°	124
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	9.2
10°-20°	327.3	23.2
20°-30°	436.8	31.0
30°-40°	336.6	23.9
40°-50°	125.5	8.9
50°-60°	41.0	2.9
60°-70°	9.5	0.7
70°-80°	1.9	0.1
80°-90°	0.3	0.0
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°	894.1	63.5
0°-40°	1230.8	87.4
0°-60°	1397.3	99.2
0°-90°	1409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1476	
5°	1408	130
15°	1164	327
25°	961	437
35°	548	337
45°	152	126
55°	43	41
65°	8	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1476.4
1°	1470.0
2°	1459.3
3°	1445.5
4°	1428.6
5°	1408.4
6°	1385.6
7°	1359.3
8°	1331.4
9°	1302.4
10°	1275.8
11°	1250.2
12°	1226.3
13°	1204.5
14°	1184.3
15°	1164.4
16°	1144.2
17°	1124.7
18°	1104.5
19°	1084.6
20°	1065.4
21°	1045.6
22°	1026.4
23°	1006.2
24°	985.0
25°	961.4
26°	935.5
27°	906.9
28°	875.2
29°	839.9
30°	801.2
32.5°	687.7
35°	547.7
37.5°	405.6
40°	287.1
42.5°	205.7
45°	152.5
47.5°	114.8
50°	84.8
52.5°	60.6
55°	43.1
57.5°	29.6
60°	19.5
62.5°	12.8
65°	8.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.7
70°	3.7
72.5°	2.4
75°	1.7
77.5°	1.0
80°	0.7
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)