

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: P243871

Luminaire Tested: **LSR8B15D010 EC8B15827 8LBN0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-10)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15827 8LBN0LI
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1408.1 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.32
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

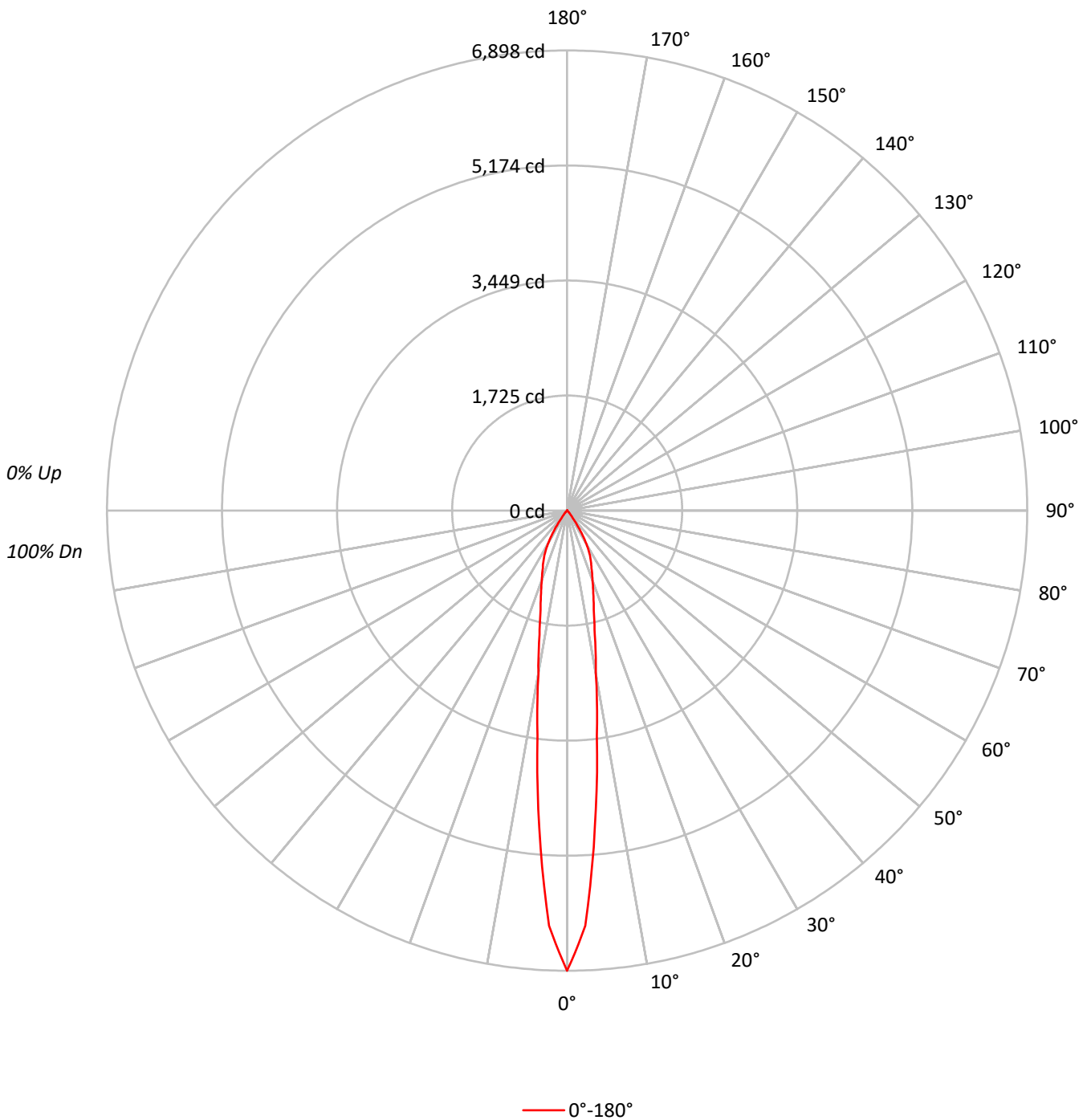
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212718
5°	147744
10°	77745
15°	49192
20°	36556
25°	28740
30°	20691
35°	8880
40°	3096
45°	1186
50°	273
55°	102
60°	0
65°	139
70°	45
75°	119
80°	178
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	27.2
10°-20°	444.6	31.6
20°-30°	383.7	27.3
30°-40°	166.5	11.8
40°-50°	26.1	1.9
50°-60°	1.9	0.1
60°-70°	1.0	0.1
70°-80°	1.1	0.1
80°-90°	0.5	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°	1211.0	86.0
0°-40°	1377.4	97.8
0°-60°	1405.4	99.8
0°-90°	1408.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1408.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6898	
5°	4773	383
15°	1541	445
25°	845	384
35°	236	166
45°	27	26
55°	2	2
65°	2	1
75°	1	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6898.3
2.5°	6229.3
5°	4773.0
7.5°	3404.0
10°	2482.9
12.5°	1905.2
15°	1540.9
17.5°	1295.9
20°	1114.0
22.5°	958.8
25°	844.7
27.5°	724.3
30°	581.1
32.5°	404.0
35°	235.9
37.5°	131.8
40°	76.9
42.5°	47.7
45°	27.2
47.5°	22.0
50°	5.7
52.5°	2.9
55°	1.9
57.5°	1.0
60°	0.0
62.5°	0.5
65°	1.9
67.5°	1.4
70°	0.5
72.5°	2.4
75°	1.0
77.5°	0.0
80°	1.0
82.5°	0.5
85°	0.0
87.5°	1.0
90°	0.0

(END OF REPORT)