

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: P244231

Luminaire Tested: **LSR8B15D010 EC8B15827 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15827 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE 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: 1440.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

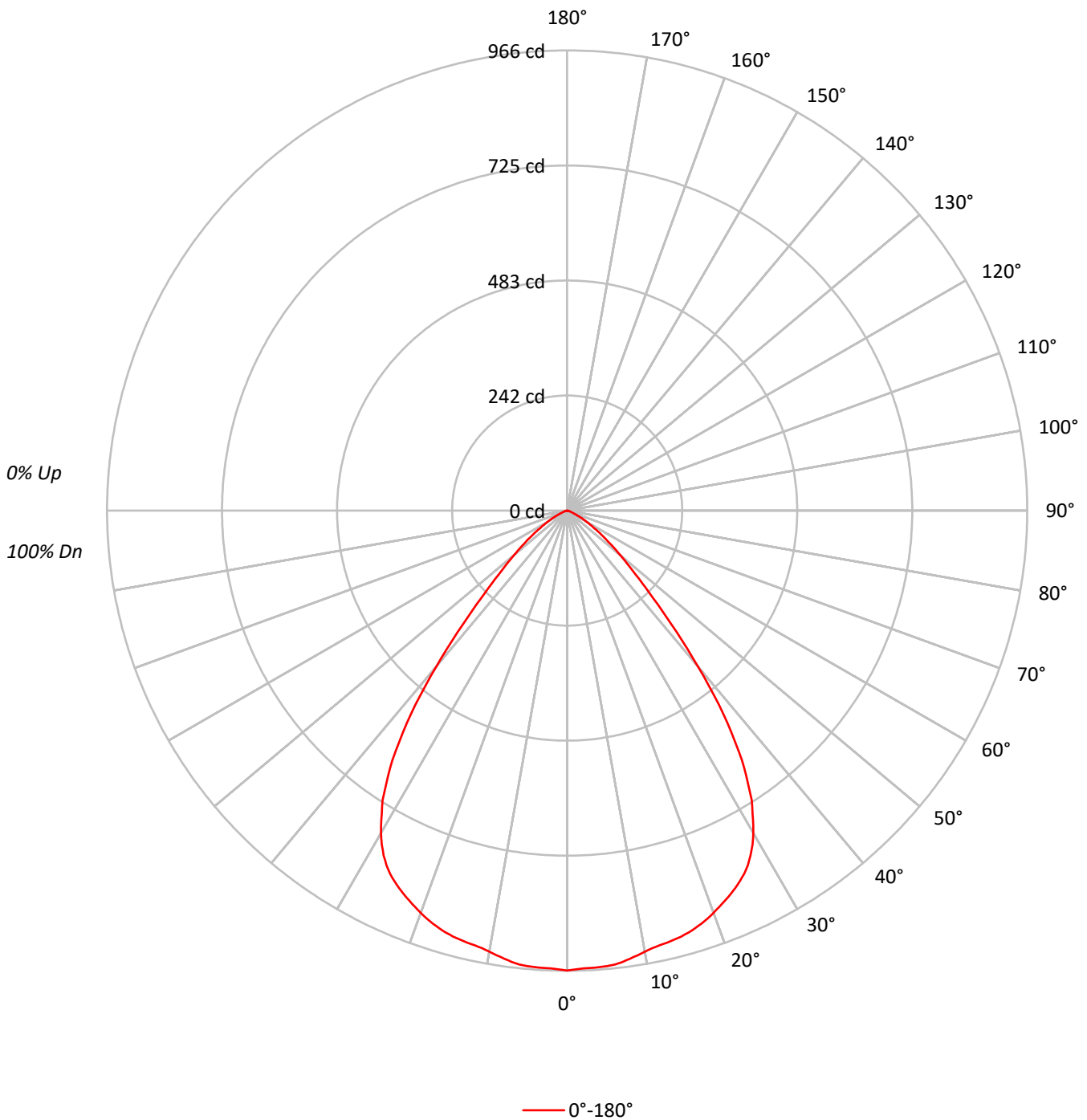
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29776
5°	29710
10°	29440
15°	29549
20°	29488
25°	29199
30°	27830
35°	24096
40°	17188
45°	10562
50°	6970
55°	4607
60°	2954
65°	1613
70°	784
75°	393
80°	213
85°	142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	6.3
10°-20°	261.1	18.1
20°-30°	392.9	27.3
30°-40°	389.0	27.0
40°-50°	197.7	13.7
50°-60°	79.6	5.5
60°-70°	24.1	1.7
70°-80°	4.1	0.3
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°	745.0	51.7
0°-40°	1133.9	78.7
0°-60°	1411.2	98.0
0°-90°	1440.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1440.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	966	
5°	960	91
15°	926	261
25°	858	393
35°	640	389
45°	242	198
55°	86	80
65°	22	24
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	965.6
1°	963.5
2°	961.8
3°	961.4
4°	961.0
5°	959.8
6°	958.1
7°	954.8
8°	949.8
9°	945.2
10°	940.2
11°	936.0
12°	933.1
13°	931.0
14°	928.5
15°	925.6
16°	921.9
17°	917.3
18°	911.9
19°	905.6
20°	898.6
21°	891.1
22°	883.6
23°	875.7
24°	867.4
25°	858.2
26°	848.2
27°	835.3
28°	820.3
29°	802.4
30°	781.6
32.5°	720.9
35°	640.1
37.5°	539.4
40°	427.0
42.5°	322.6
45°	242.2
47.5°	185.2
50°	145.3
52.5°	112.8
55°	85.7
57.5°	63.7
60°	47.9
62.5°	34.1
65°	22.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.7
70°	8.7
72.5°	5.4
75°	3.3
77.5°	2.1
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)