

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: P244243

Luminaire Tested: **LSR8B15D010 EC8B15835 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244243
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 EC8B15835 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1534.9 lumens
Efficiency: N/A
Efficacy: 106.6 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

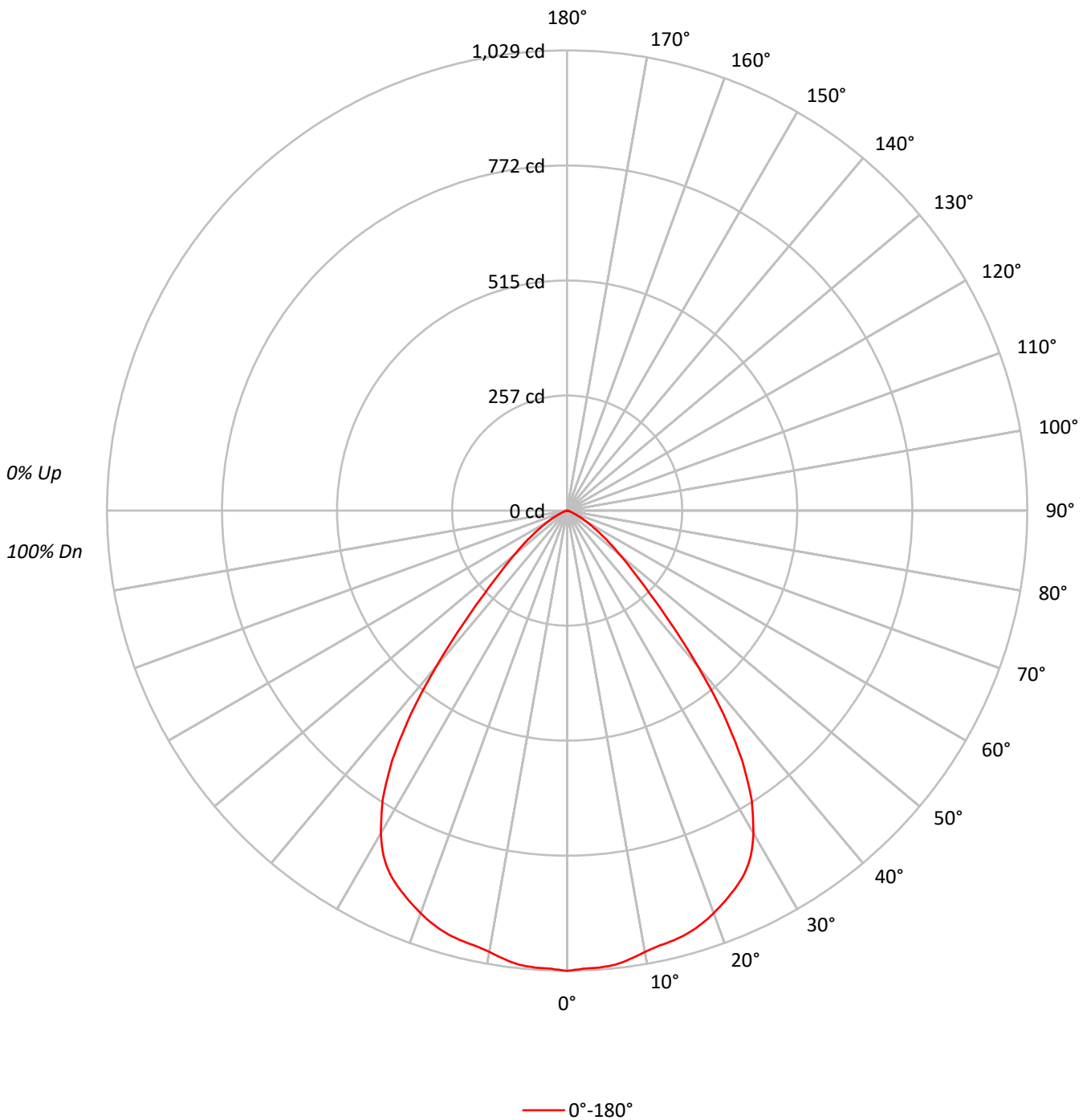
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	31740
5°	31669
10°	31381
15°	31500
20°	31434
25°	31125
30°	29668
35°	25685
40°	18324
45°	11260
50°	7426
55°	4914
60°	3145
65°	1715
70°	838
75°	417
80°	231
85°	142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	6.3
10°-20°	278.3	18.1
20°-30°	418.8	27.3
30°-40°	414.6	27.0
40°-50°	210.7	13.7
50°-60°	84.9	5.5
60°-70°	25.7	1.7
70°-80°	4.4	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°	794.1	51.7
0°-40°	1208.7	78.7
0°-60°	1504.3	98.0
0°-90°	1534.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1534.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1029	
5°	1023	97
15°	987	278
25°	915	419
35°	682	415
45°	258	211
55°	91	85
65°	24	26
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1029.3
1°	1027.1
2°	1025.3
3°	1024.8
4°	1024.4
5°	1023.1
6°	1021.3
7°	1017.7
8°	1012.4
9°	1007.5
10°	1002.2
11°	997.8
12°	994.7
13°	992.5
14°	989.8
15°	986.7
16°	982.7
17°	977.8
18°	972.0
19°	965.4
20°	957.9
21°	949.9
22°	941.9
23°	933.4
24°	924.6
25°	914.8
26°	904.2
27°	890.4
28°	874.4
29°	855.4
30°	833.2
32.5°	768.4
35°	682.3
37.5°	575.0
40°	455.2
42.5°	343.8
45°	258.2
47.5°	197.4
50°	154.8
52.5°	120.2
55°	91.4
57.5°	67.9
60°	51.0
62.5°	36.4
65°	23.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14.6
70°	9.3
72.5°	5.8
75°	3.5
77.5°	2.2
80°	1.3
82.5°	0.9
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)