

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: P244921

Luminaire Tested: **LSR8B15D010 EC8B15935 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15935 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1400.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

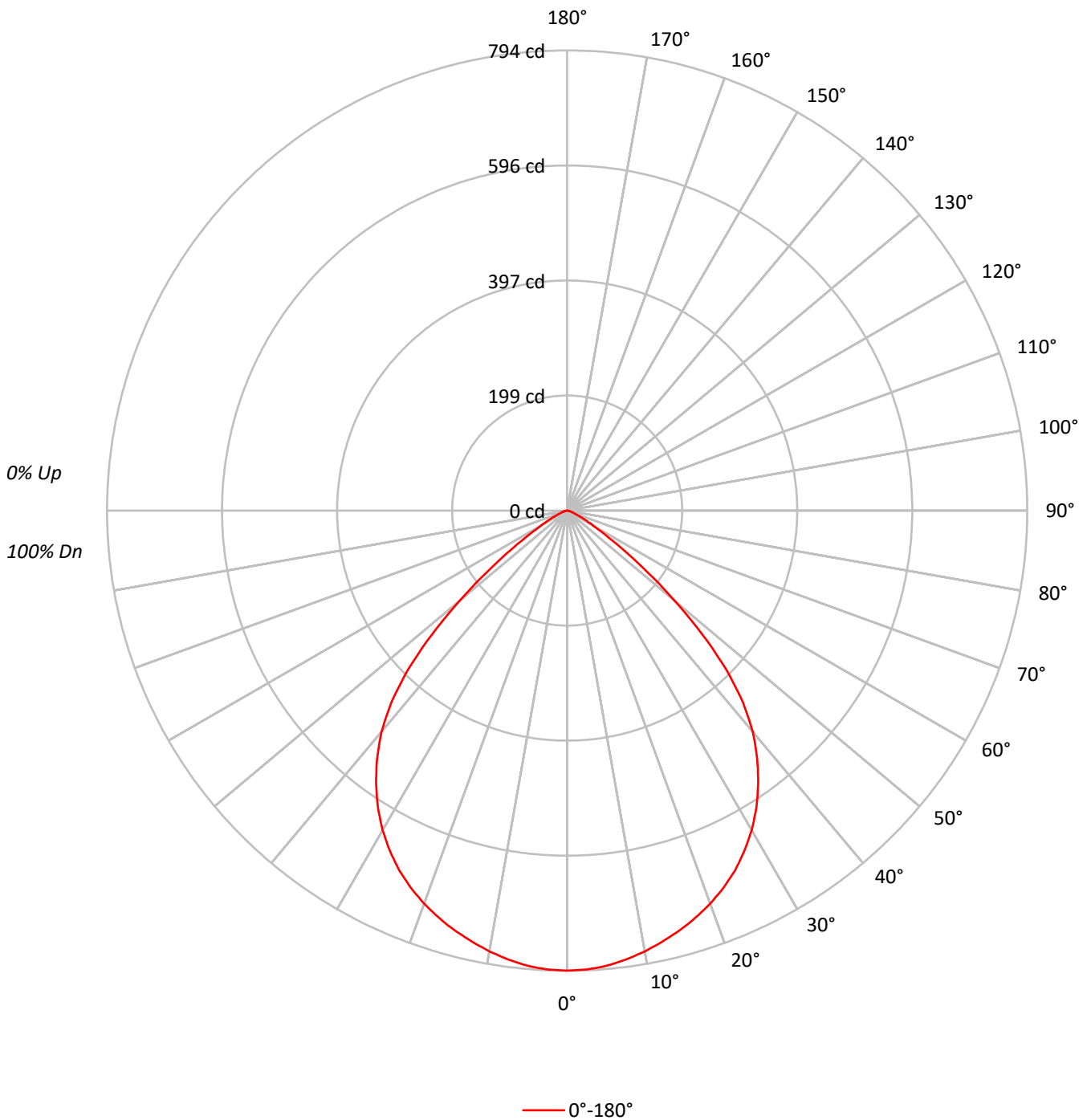
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24478
5°	24401
10°	24182
15°	23943
20°	23686
25°	23310
30°	22671
35°	21638
40°	20055
45°	16933
50°	11614
55°	6408
60°	3219
65°	1810
70°	983
75°	703
80°	444
85°	283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	5.3
10°-20°	211.5	15.1
20°-30°	314.9	22.5
30°-40°	357.7	25.6
40°-50°	292.4	20.9
50°-60°	114.6	8.2
60°-70°	26.7	1.9
70°-80°	6.4	0.5
80°-90°	1.0	0.1
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°	601.1	42.9
0°-40°	958.9	68.5
0°-60°	1365.9	97.6
0°-90°	1400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1400.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	794	
5°	788	75
15°	750	212
25°	685	315
35°	575	358
45°	388	292
55°	119	115
65°	25	27
75°	6	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	793.8
2.5°	792.5
5°	788.3
7.5°	781.1
10°	772.3
12.5°	761.4
15°	750.0
17.5°	736.5
20°	721.8
22.5°	704.5
25°	685.1
27.5°	662.4
30°	636.7
32.5°	607.7
35°	574.8
37.5°	538.6
40°	498.2
42.5°	449.3
45°	388.3
47.5°	316.7
50°	242.1
52.5°	173.9
55°	119.2
57.5°	77.9
60°	52.2
62.5°	35.8
65°	24.8
67.5°	16.4
70°	10.9
72.5°	7.6
75°	5.9
77.5°	4.2
80°	2.5
82.5°	1.3
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)