

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: P244722

Luminaire Tested: **LSR8B10D010 EC8B109727 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B109727 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 767.1 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

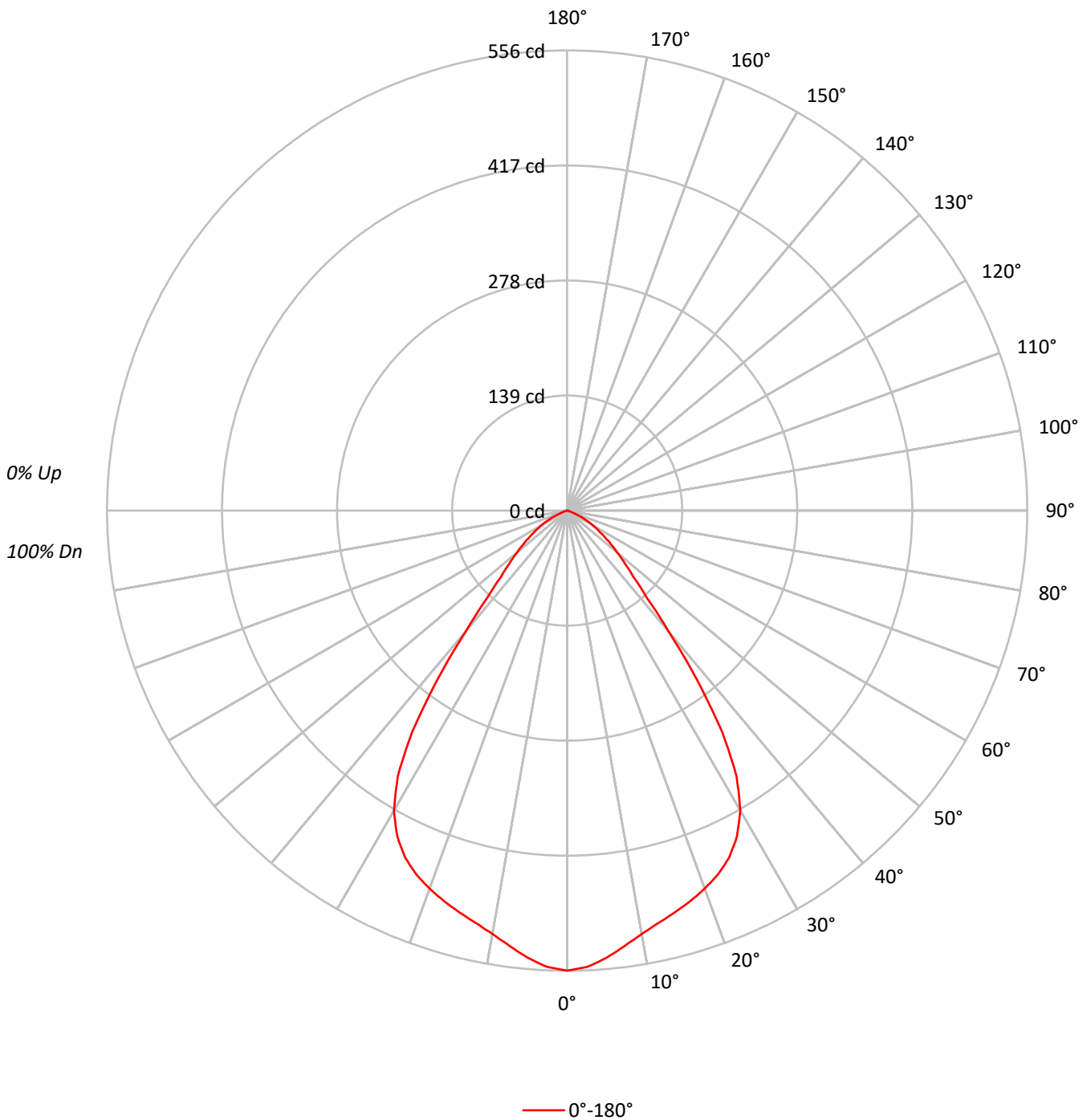
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
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	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17139
5°	16796
10°	16263
15°	16045
20°	15948
25°	15746
30°	14901
35°	12291
40°	7672
45°	4937
50°	3828
55°	2946
60°	2233
65°	1452
70°	622
75°	298
80°	142
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	6.7
10°-20°	142.0	18.5
20°-30°	211.5	27.6
30°-40°	196.4	25.6
40°-50°	92.8	12.1
50°-60°	49.8	6.5
60°-70°	20.0	2.6
70°-80°	3.1	0.4
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°	404.5	52.7
0°-40°	600.9	78.3
0°-60°	743.6	96.9
0°-90°	767.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	556	
5°	543	51
15°	503	142
25°	463	211
35°	326	196
45°	113	93
55°	55	50
65°	20	20
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	555.8
2.5°	552.0
5°	542.6
7.5°	530.6
10°	519.4
12.5°	510.2
15°	502.6
17.5°	494.7
20°	486.0
22.5°	476.1
25°	462.8
27.5°	444.2
30°	418.5
32.5°	380.8
35°	326.5
37.5°	257.2
40°	190.6
42.5°	142.0
45°	113.2
47.5°	94.6
50°	79.8
52.5°	66.5
55°	54.8
57.5°	44.6
60°	36.2
62.5°	28.3
65°	19.9
67.5°	11.7
70°	6.9
72.5°	4.1
75°	2.5
77.5°	1.5
80°	0.8
82.5°	0.5
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)