

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: P244902

Luminaire Tested: **LSR8B10D010 EC8B10850 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244902
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: LSR8B10D010 EC8B10850 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1228.0 lumens
Efficiency: N/A
Efficacy: 120.4 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

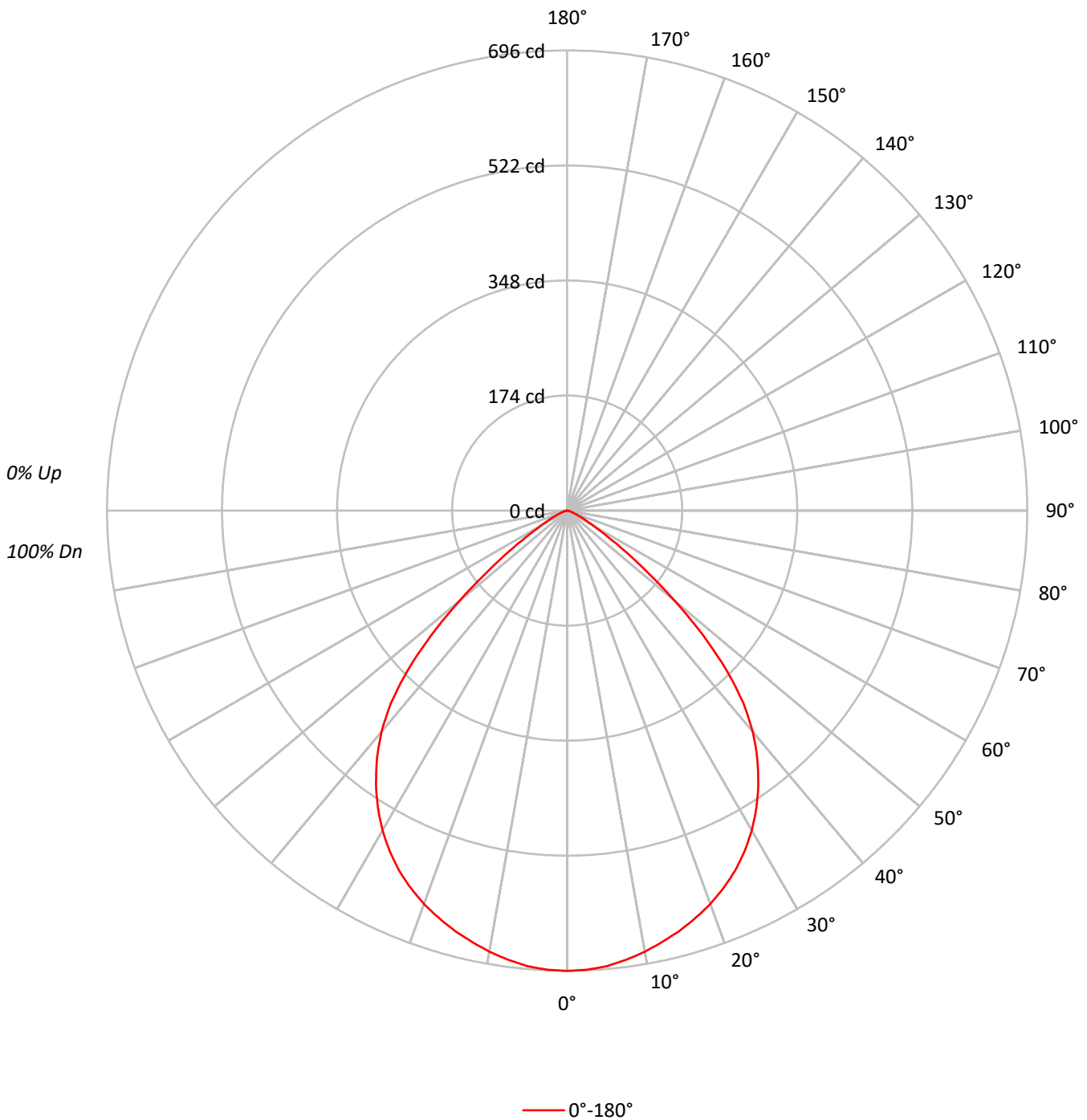
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	21471
5°	21405
10°	21211
15°	21000
20°	20775
25°	20448
30°	19886
35°	18980
40°	17591
45°	14853
50°	10189
55°	5618
60°	2825
65°	1591
70°	866
75°	620
80°	391
85°	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	5.3
10°-20°	185.5	15.1
20°-30°	276.2	22.5
30°-40°	313.8	25.6
40°-50°	256.5	20.9
50°-60°	100.5	8.2
60°-70°	23.4	1.9
70°-80°	5.6	0.5
80°-90°	0.9	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°	527.3	42.9
0°-40°	841.1	68.5
0°-60°	1198.0	97.6
0°-90°	1228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	696	
5°	692	66
15°	658	186
25°	601	276
35°	504	314
45°	341	256
55°	104	100
65°	22	23
75°	5	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	696.3
2.5°	695.1
5°	691.5
7.5°	685.2
10°	677.4
12.5°	667.8
15°	657.8
17.5°	646.0
20°	633.1
22.5°	618.0
25°	601.0
27.5°	581.0
30°	558.5
32.5°	533.0
35°	504.2
37.5°	472.4
40°	437.0
42.5°	394.1
45°	340.6
47.5°	277.8
50°	212.4
52.5°	152.5
55°	104.5
57.5°	68.3
60°	45.8
62.5°	31.4
65°	21.8
67.5°	14.4
70°	9.6
72.5°	6.6
75°	5.2
77.5°	3.7
80°	2.2
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)