

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 EC8B10927 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 EC8B10927 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: 862.9 lumens
Efficiency: N/A
Efficacy: 84.6 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

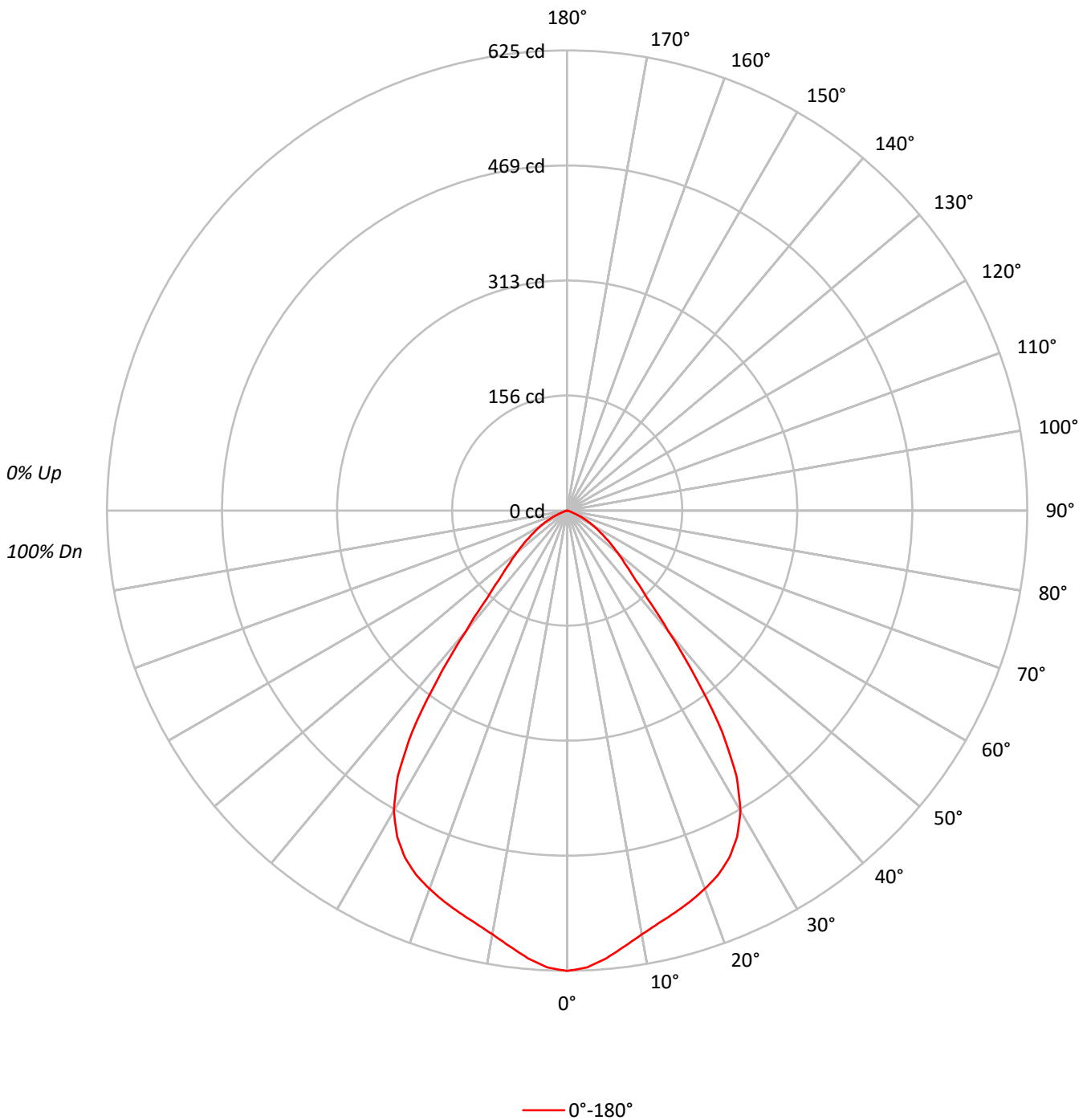
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19282
5°	18894
10°	18296
15°	18050
20°	17943
25°	17713
30°	16764
35°	13827
40°	8630
45°	5556
50°	4308
55°	3312
60°	2510
65°	1634
70°	703
75°	334
80°	160
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	6.7
10°-20°	159.7	18.5
20°-30°	237.9	27.6
30°-40°	221.0	25.6
40°-50°	104.4	12.1
50°-60°	56.1	6.5
60°-70°	22.5	2.6
70°-80°	3.5	0.4
80°-90°	0.4	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°	455.1	52.7
0°-40°	676.0	78.3
0°-60°	836.5	96.9
0°-90°	862.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	625	
5°	610	57
15°	565	160
25°	521	238
35°	367	221
45°	127	104
55°	62	56
65°	22	23
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	625.3
2.5°	621.0
5°	610.4
7.5°	596.9
10°	584.3
12.5°	574.0
15°	565.4
17.5°	556.5
20°	546.8
22.5°	535.6
25°	520.6
27.5°	499.7
30°	470.8
32.5°	428.4
35°	367.3
37.5°	289.3
40°	214.4
42.5°	159.8
45°	127.4
47.5°	106.4
50°	89.8
52.5°	74.8
55°	61.6
57.5°	50.2
60°	40.7
62.5°	31.8
65°	22.4
67.5°	13.2
70°	7.8
72.5°	4.6
75°	2.8
77.5°	1.7
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)