

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: P244716

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244716
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 EC8B10950 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1016.0 lumens
Efficiency: N/A
Efficacy: 99.6 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

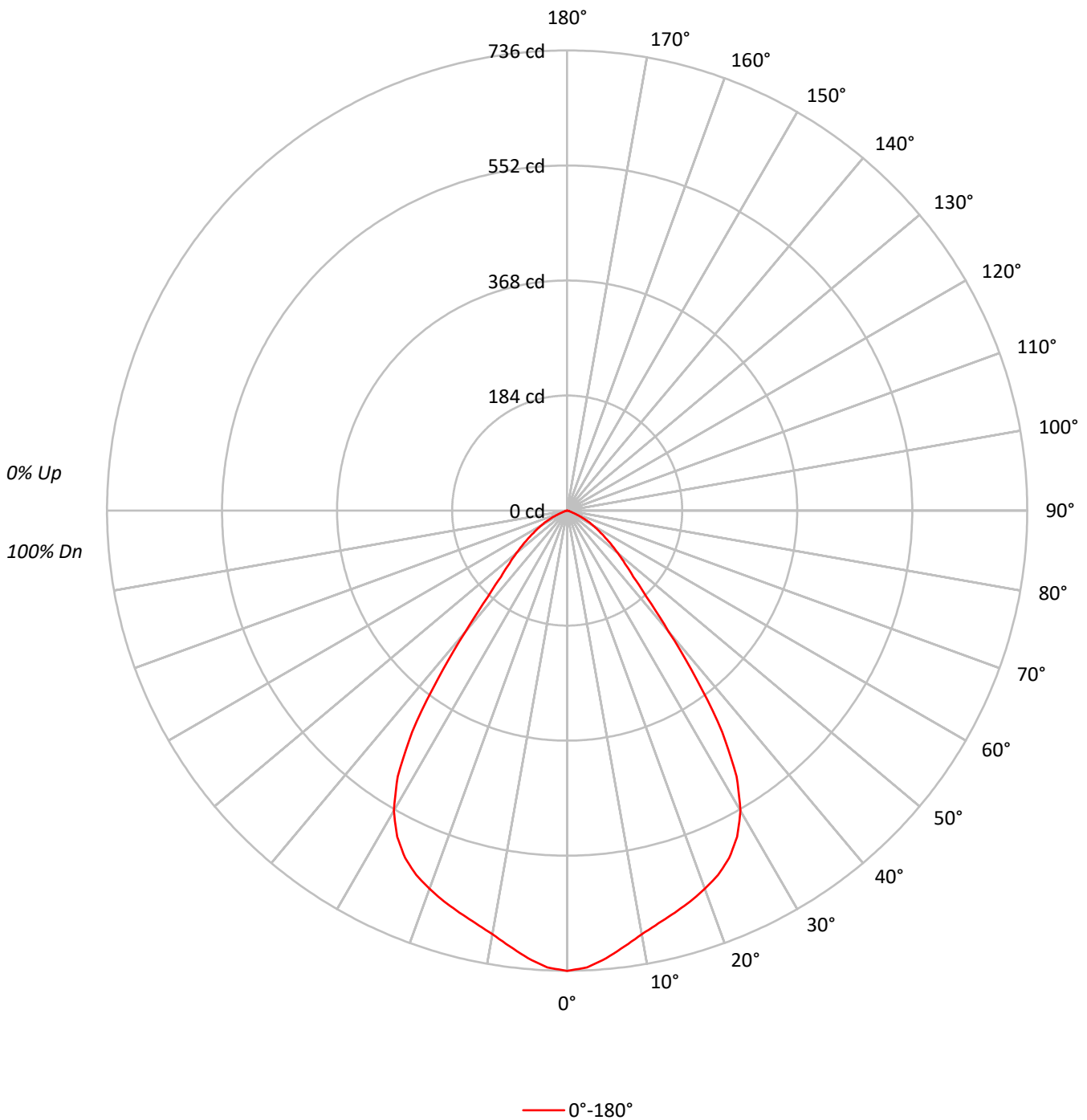
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	87	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°	22705
5°	22247
10°	21543
15°	21252
20°	21127
25°	20860
30°	19737
35°	16281
40°	10164
45°	6537
50°	5071
55°	3903
60°	2954
65°	1919
70°	820
75°	405
80°	178
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	6.7
10°-20°	188.1	18.5
20°-30°	280.1	27.6
30°-40°	260.2	25.6
40°-50°	122.9	12.1
50°-60°	66.0	6.5
60°-70°	26.5	2.6
70°-80°	4.2	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°	535.8	52.7
0°-40°	796.0	78.3
0°-60°	984.9	96.9
0°-90°	1016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1016.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	736	
5°	719	68
15°	666	188
25°	613	280
35°	432	260
45°	150	123
55°	73	66
65°	26	26
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	736.3
2.5°	731.2
5°	718.7
7.5°	702.9
10°	688.0
12.5°	675.9
15°	665.7
17.5°	655.3
20°	643.8
22.5°	630.6
25°	613.1
27.5°	588.4
30°	554.3
32.5°	504.4
35°	432.5
37.5°	340.6
40°	252.5
42.5°	188.0
45°	149.9
47.5°	125.2
50°	105.7
52.5°	88.1
55°	72.6
57.5°	59.1
60°	47.9
62.5°	37.5
65°	26.3
67.5°	15.5
70°	9.1
72.5°	5.4
75°	3.4
77.5°	2.0
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)