

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: P247756

Luminaire Tested: **LSR8B100D010 EC8B100950 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B100950 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11103.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

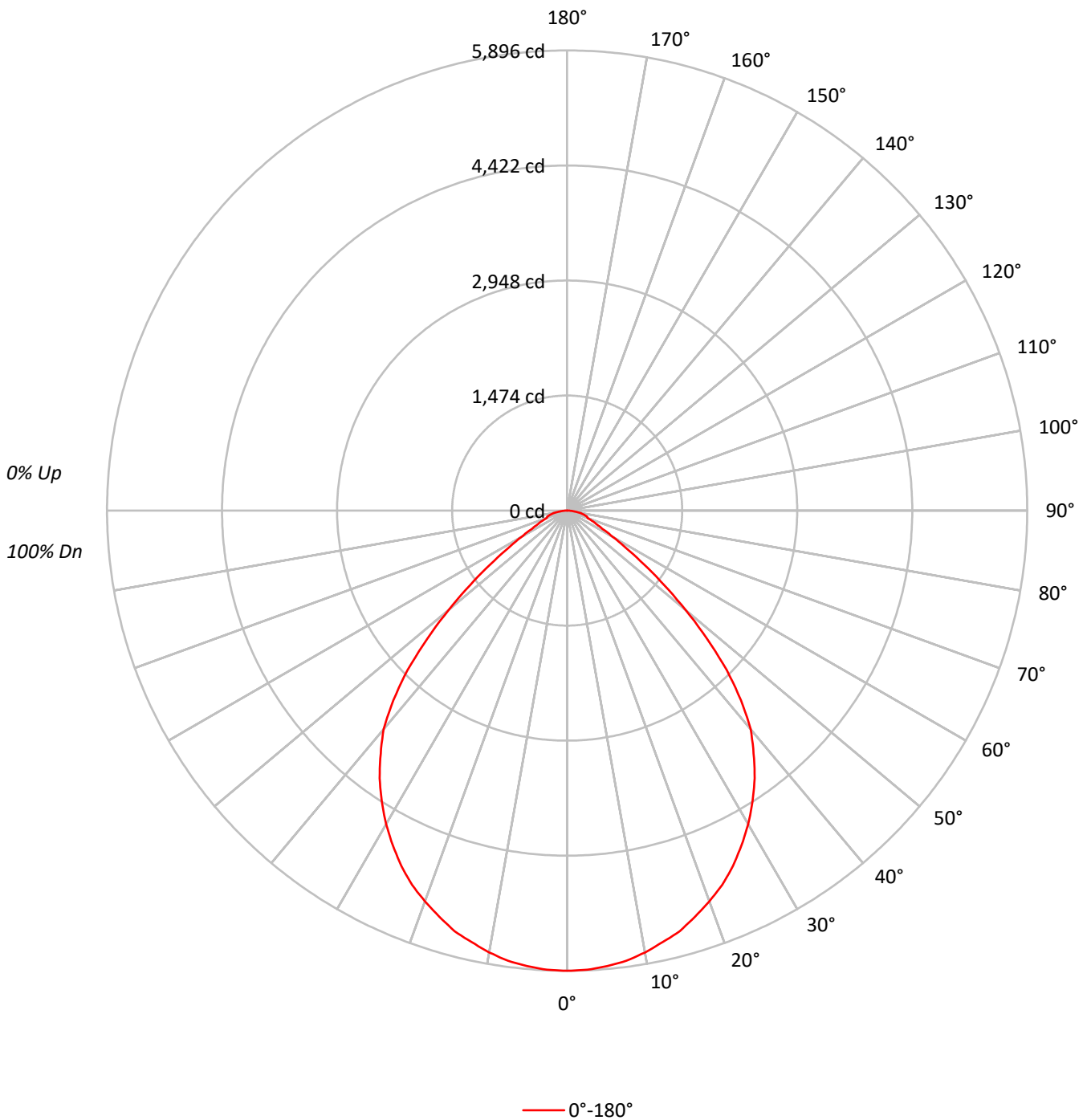
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	181805
5°	181351
10°	179994
15°	178121
20°	174833
25°	170958
30°	165215
35°	157707
40°	147269
45°	126153
50°	94857
55°	64293
60°	41833
65°	30689
70°	25064
75°	28415
80°	29798
85°	24165



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.0	5.0
10°-20°	1569.6	14.1
20°-30°	2309.1	20.8
30°-40°	2608.2	23.5
40°-50°	2196.5	19.8
50°-60°	1108.2	10.0
60°-70°	434.1	3.9
70°-80°	245.2	2.2
80°-90°	76.3	0.7
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°	4434.6	39.9
0°-40°	7042.8	63.4
0°-60°	10347.4	93.2
0°-90°	11103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11103.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5896	
5°	5859	556
15°	5580	1570
25°	5025	2309
35°	4189	2608
45°	2893	2197
55°	1196	1108
65°	421	434
75°	238	245
85°	68	76
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5895.8
2.5°	5889.8
5°	5858.7
7.5°	5817.9
10°	5748.4
12.5°	5662.1
15°	5579.5
17.5°	5453.6
20°	5327.8
22.5°	5191.2
25°	5024.6
27.5°	4836.5
30°	4640.0
32.5°	4419.5
35°	4189.4
37.5°	3925.7
40°	3658.5
42.5°	3294.2
45°	2892.8
47.5°	2432.6
50°	1977.3
52.5°	1566.2
55°	1195.9
57.5°	901.1
60°	678.3
62.5°	517.7
65°	420.6
67.5°	342.7
70°	278.0
72.5°	268.4
75°	238.5
77.5°	198.9
80°	167.8
82.5°	106.7
85°	68.3
87.5°	21.6
90°	0.0

(END OF REPORT)