

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: P247748

Luminaire Tested: **LSR8B100D010 EC8B100935 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247748
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 EC8B100935 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10267.0 lumens
Efficiency: N/A
Efficacy: 96.6 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

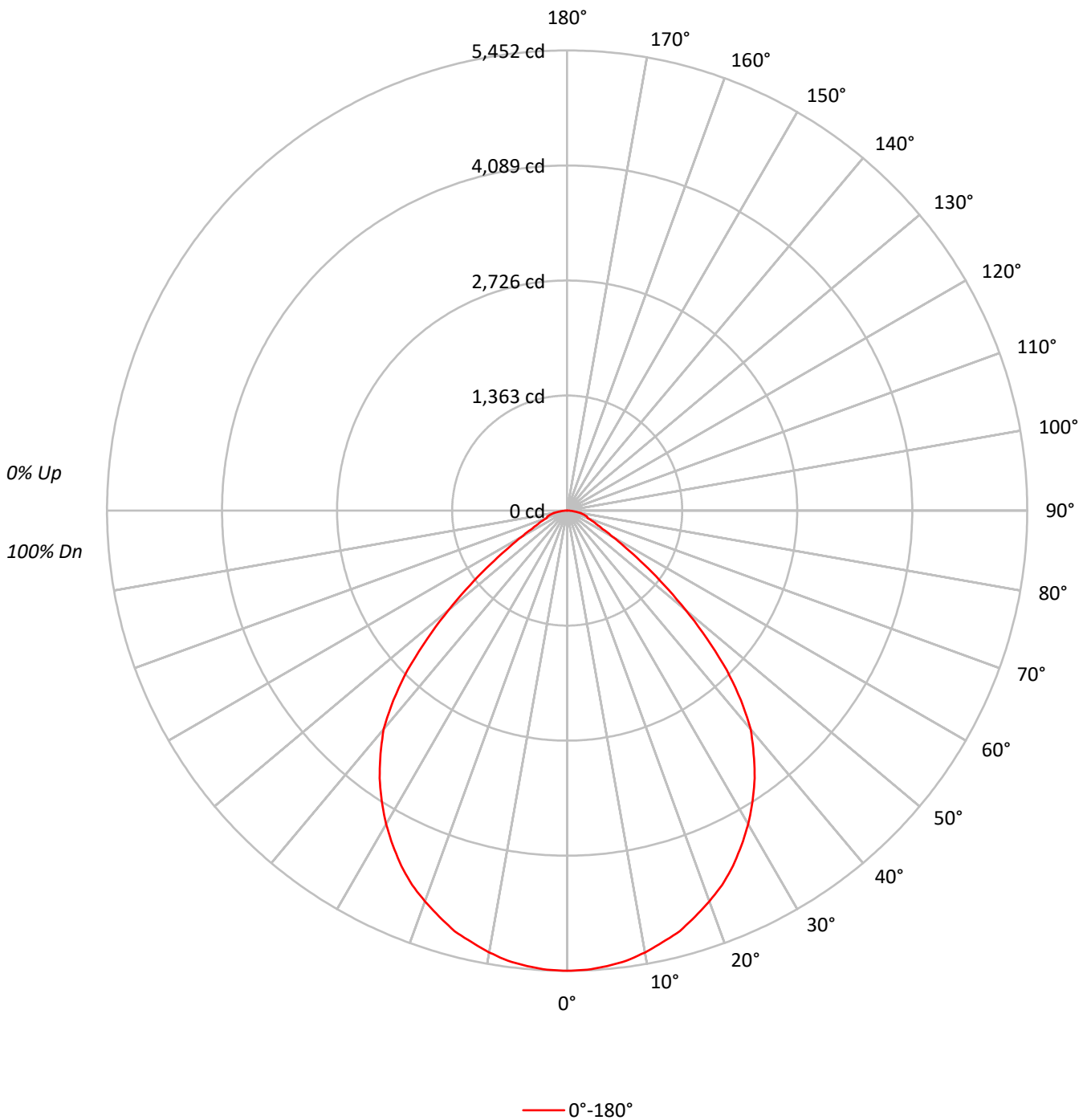
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	168117
5°	167694
10°	166442
15°	164706
20°	161668
25°	158086
30°	152774
35°	145830
40°	136183
45°	116654
50°	87713
55°	59455
60°	38681
65°	28376
70°	23180
75°	26271
80°	27543
85°	22361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.1	5.0
10°-20°	1451.4	14.1
20°-30°	2135.2	20.8
30°-40°	2411.8	23.5
40°-50°	2031.1	19.8
50°-60°	1024.7	10.0
60°-70°	401.4	3.9
70°-80°	226.7	2.2
80°-90°	70.5	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°	4100.7	39.9
0°-40°	6512.5	63.4
0°-60°	9568.4	93.2
0°-90°	10267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10267.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5452	
5°	5418	514
15°	5159	1451
25°	4646	2135
35°	3874	2412
45°	2675	2031
55°	1106	1025
65°	389	401
75°	220	227
85°	63	71
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5451.9
2.5°	5446.3
5°	5417.5
7.5°	5379.9
10°	5315.6
12.5°	5235.8
15°	5159.3
17.5°	5043.0
20°	4926.6
22.5°	4800.3
25°	4646.3
27.5°	4472.3
30°	4290.6
32.5°	4086.7
35°	3873.9
37.5°	3630.2
40°	3383.1
42.5°	3046.2
45°	2675.0
47.5°	2249.5
50°	1828.4
52.5°	1448.3
55°	1105.9
57.5°	833.3
60°	627.2
62.5°	478.7
65°	388.9
67.5°	316.9
70°	257.1
72.5°	248.2
75°	220.5
77.5°	183.9
80°	155.1
82.5°	98.6
85°	63.2
87.5°	19.9
90°	0.0

(END OF REPORT)