

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: P247720

Luminaire Tested: **LD8B100D010 ER8B100827 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247720
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: LD8B100D010 ER8B100827 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11295.0 lumens
Efficiency: N/A
Efficacy: 106.3 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

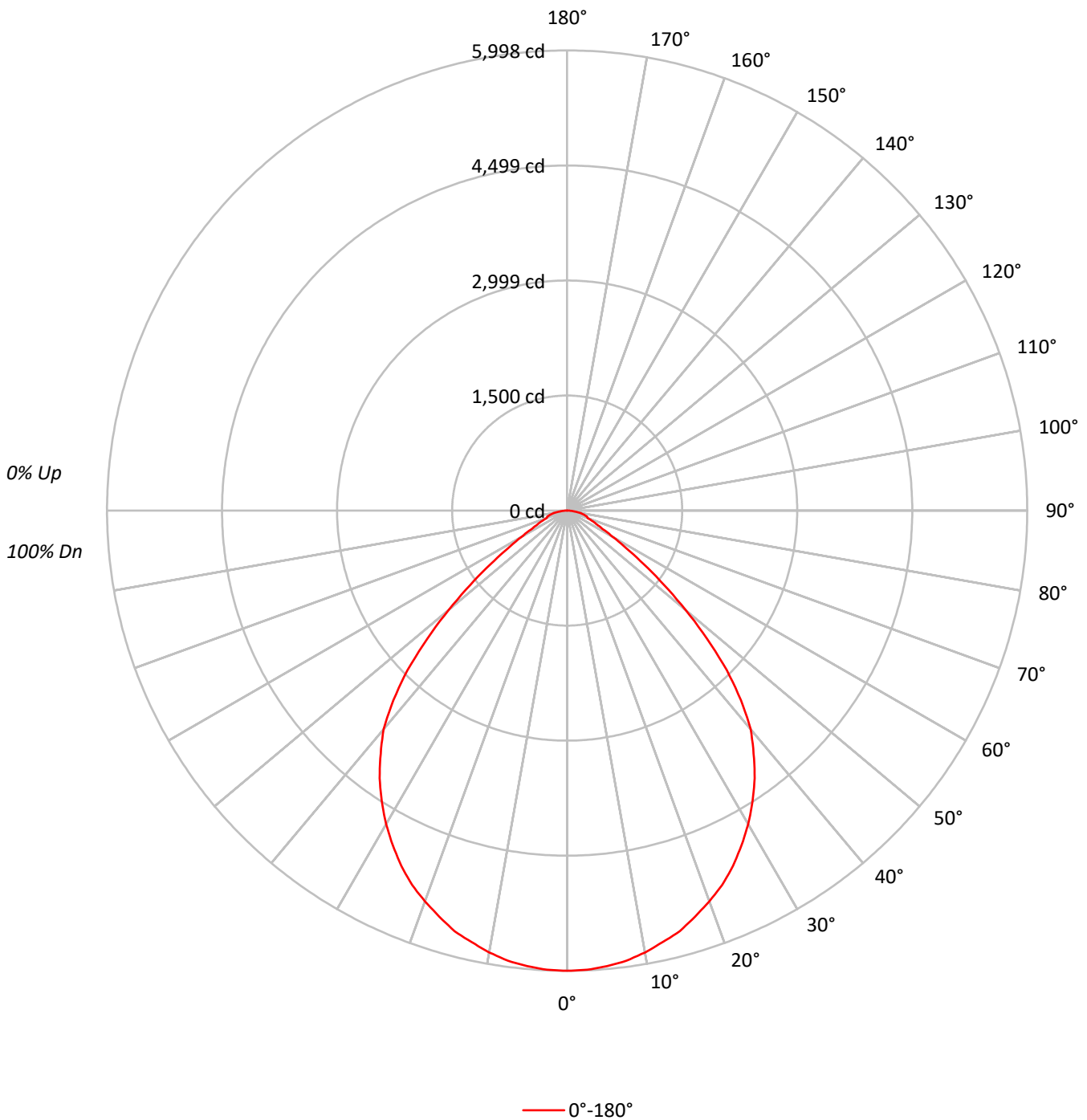
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	184950
5°	184486
10°	183106
15°	181198
20°	177856
25°	173914
30°	168071
35°	160432
40°	149817
45°	128333
50°	96492
55°	65406
60°	42554
65°	31222
70°	25497
75°	28904
80°	30313
85°	24590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.6	5.0
10°-20°	1596.7	14.1
20°-30°	2349.0	20.8
30°-40°	2653.3	23.5
40°-50°	2234.5	19.8
50°-60°	1127.3	10.0
60°-70°	441.6	3.9
70°-80°	249.4	2.2
80°-90°	77.6	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°	4511.3	39.9
0°-40°	7164.5	63.4
0°-60°	10526.4	93.2
0°-90°	11295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11295.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5998	
5°	5960	566
15°	5676	1597
25°	5112	2349
35°	4262	2653
45°	2943	2234
55°	1217	1127
65°	428	442
75°	243	249
85°	70	78
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5997.8
2.5°	5991.7
5°	5960.0
7.5°	5918.5
10°	5847.8
12.5°	5760.1
15°	5675.9
17.5°	5547.9
20°	5419.9
22.5°	5281.0
25°	5111.5
27.5°	4920.1
30°	4720.2
32.5°	4495.9
35°	4261.8
37.5°	3993.6
40°	3721.8
42.5°	3351.2
45°	2942.8
47.5°	2474.7
50°	2011.4
52.5°	1593.3
55°	1216.6
57.5°	916.7
60°	690.0
62.5°	526.6
65°	427.9
67.5°	348.7
70°	282.8
72.5°	273.1
75°	242.6
77.5°	202.4
80°	170.7
82.5°	108.5
85°	69.5
87.5°	21.9
90°	0.0

(END OF REPORT)