

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: P247736

Luminaire Tested: **LD8B100D010 ER8B100850 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247736
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 ER8B100850 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12195.0 lumens
Efficiency: N/A
Efficacy: 114.7 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

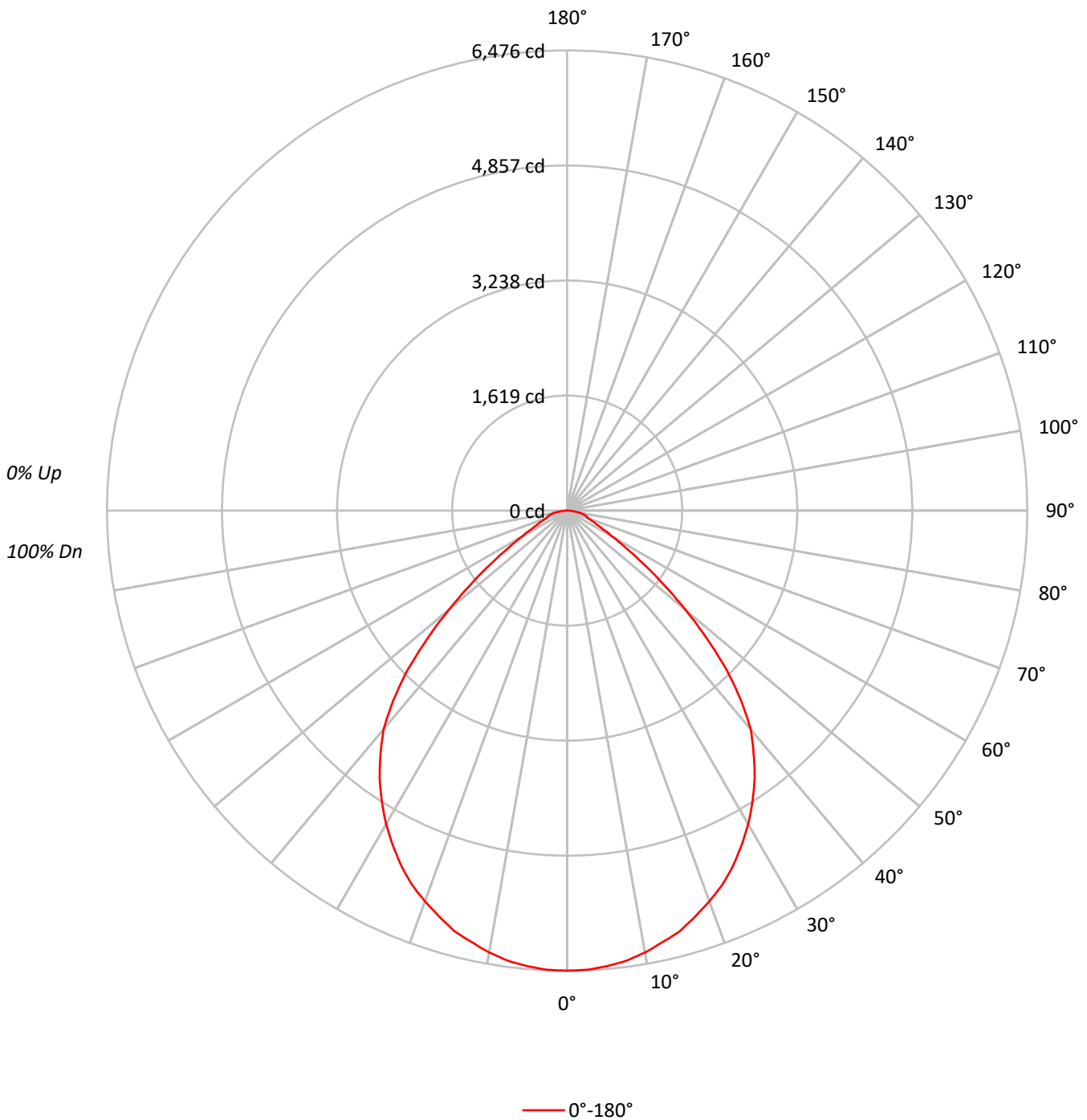
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	199687
5°	199187
10°	197698
15°	195637
20°	192029
25°	187772
30°	181462
35°	173216
40°	161752
45°	138559
50°	104183
55°	70621
60°	45946
65°	33710
70°	27535
75°	31203
80°	32728
85°	26536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.7	5.0
10°-20°	1723.9	14.1
20°-30°	2536.2	20.8
30°-40°	2864.7	23.5
40°-50°	2412.5	19.8
50°-60°	1217.2	10.0
60°-70°	476.8	3.9
70°-80°	269.3	2.2
80°-90°	83.8	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°	4870.8	39.9
0°-40°	7735.4	63.4
0°-60°	11365.2	93.2
0°-90°	12195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12195.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6476	
5°	6435	611
15°	6128	1724
25°	5519	2536
35°	4601	2865
45°	3177	2413
55°	1314	1217
65°	462	477
75°	262	269
85°	75	84
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6475.7
2.5°	6469.1
5°	6434.9
7.5°	6390.1
10°	6313.8
12.5°	6219.0
15°	6128.2
17.5°	5990.0
20°	5851.8
22.5°	5701.8
25°	5518.8
27.5°	5312.2
30°	5096.3
32.5°	4854.1
35°	4601.4
37.5°	4311.9
40°	4018.3
42.5°	3618.2
45°	3177.3
47.5°	2671.9
50°	2171.7
52.5°	1720.3
55°	1313.6
57.5°	989.8
60°	745.0
62.5°	568.6
65°	462.0
67.5°	376.4
70°	305.4
72.5°	294.8
75°	261.9
77.5°	218.5
80°	184.3
82.5°	117.1
85°	75.0
87.5°	23.7
90°	0.0

(END OF REPORT)