

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: P251483

Luminaire Tested: **LD8B70D010 ER8B70827 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70827 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: 7848.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

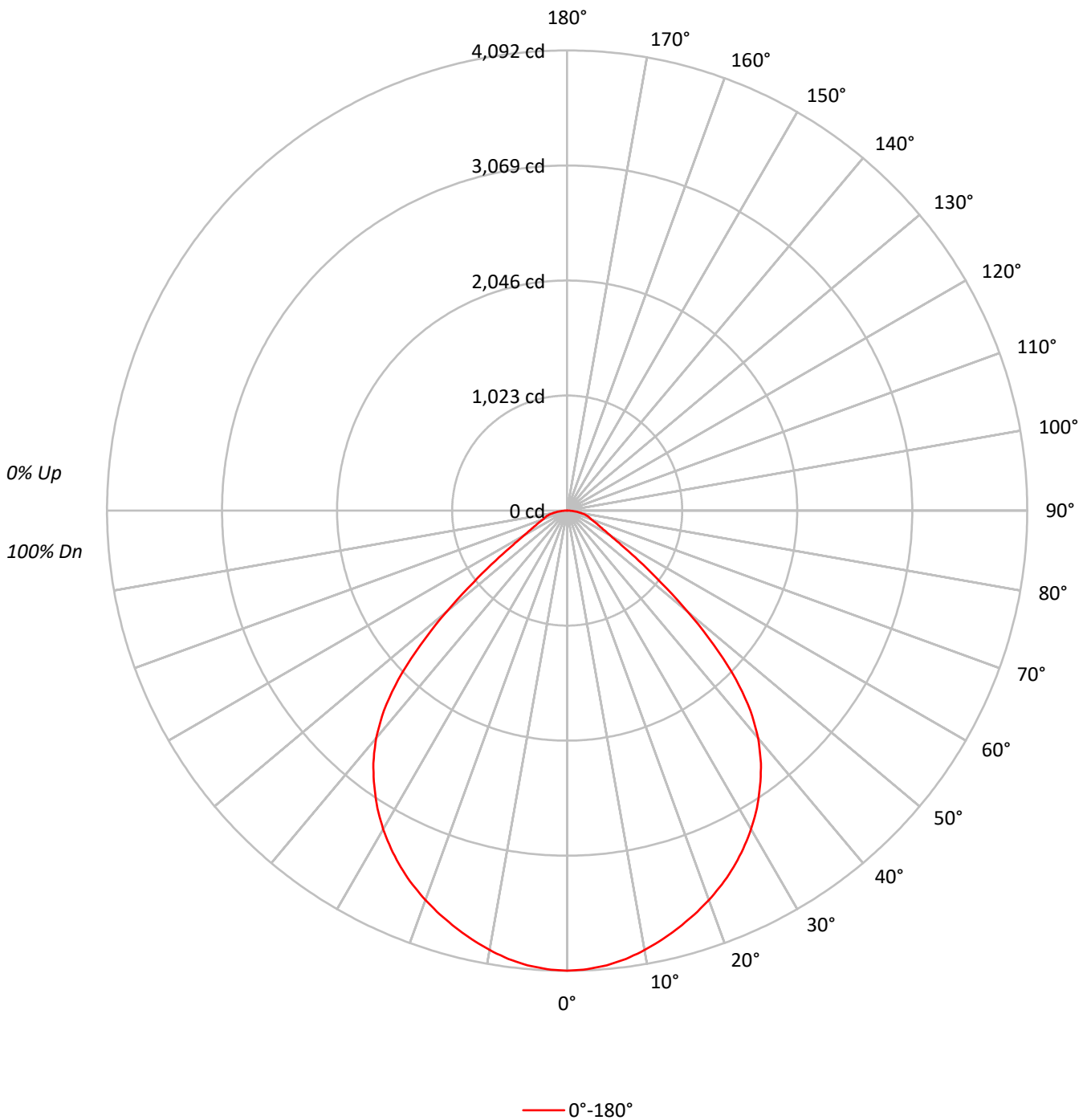
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	109	105	102	99	101	98	96		97	95	93		94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83		88	85	82		85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73		80	76	72		78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126167
5°	125658
10°	124252
15°	122528
20°	120928
25°	119088
30°	116498
35°	112594
40°	106427
45°	92700
50°	67032
55°	41735
60°	27179
65°	22320
70°	20583
75°	22303
80°	22712
85°	20202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.6	4.9
10°-20°	1082.8	13.8
20°-30°	1610.7	20.5
30°-40°	1864.3	23.8
40°-50°	1599.7	20.4
50°-60°	735.6	9.4
60°-70°	312.3	4.0
70°-80°	193.5	2.5
80°-90°	64.6	0.8
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°	3078.0	39.2
0°-40°	4942.3	63.0
0°-60°	7277.7	92.7
0°-90°	7848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7848.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4092	
5°	4060	385
15°	3838	1083
25°	3500	1611
35°	2991	1864
45°	2126	1600
55°	776	736
65°	306	312
75°	187	193
85°	57	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4091.5
2.5°	4082.4
5°	4059.5
7.5°	4020.7
10°	3968.2
12.5°	3906.6
15°	3838.1
17.5°	3765.0
20°	3685.1
22.5°	3598.3
25°	3500.1
27.5°	3390.6
30°	3271.8
32.5°	3139.4
35°	2991.0
37.5°	2831.2
40°	2643.9
42.5°	2413.3
45°	2125.7
47.5°	1771.8
50°	1397.3
52.5°	1050.3
55°	776.3
57.5°	570.8
60°	440.7
62.5°	360.7
65°	305.9
67.5°	262.6
70°	228.3
72.5°	207.8
75°	187.2
77.5°	159.8
80°	127.9
82.5°	91.3
85°	57.1
87.5°	25.1
90°	0.0

(END OF REPORT)