

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: P247735

Luminaire Tested: **LD8B90D010 ER8B90850 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247735
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: LD8B90D010 ER8B90850 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: 10569.9 lumens
Efficiency: N/A
Efficacy: 122.8 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

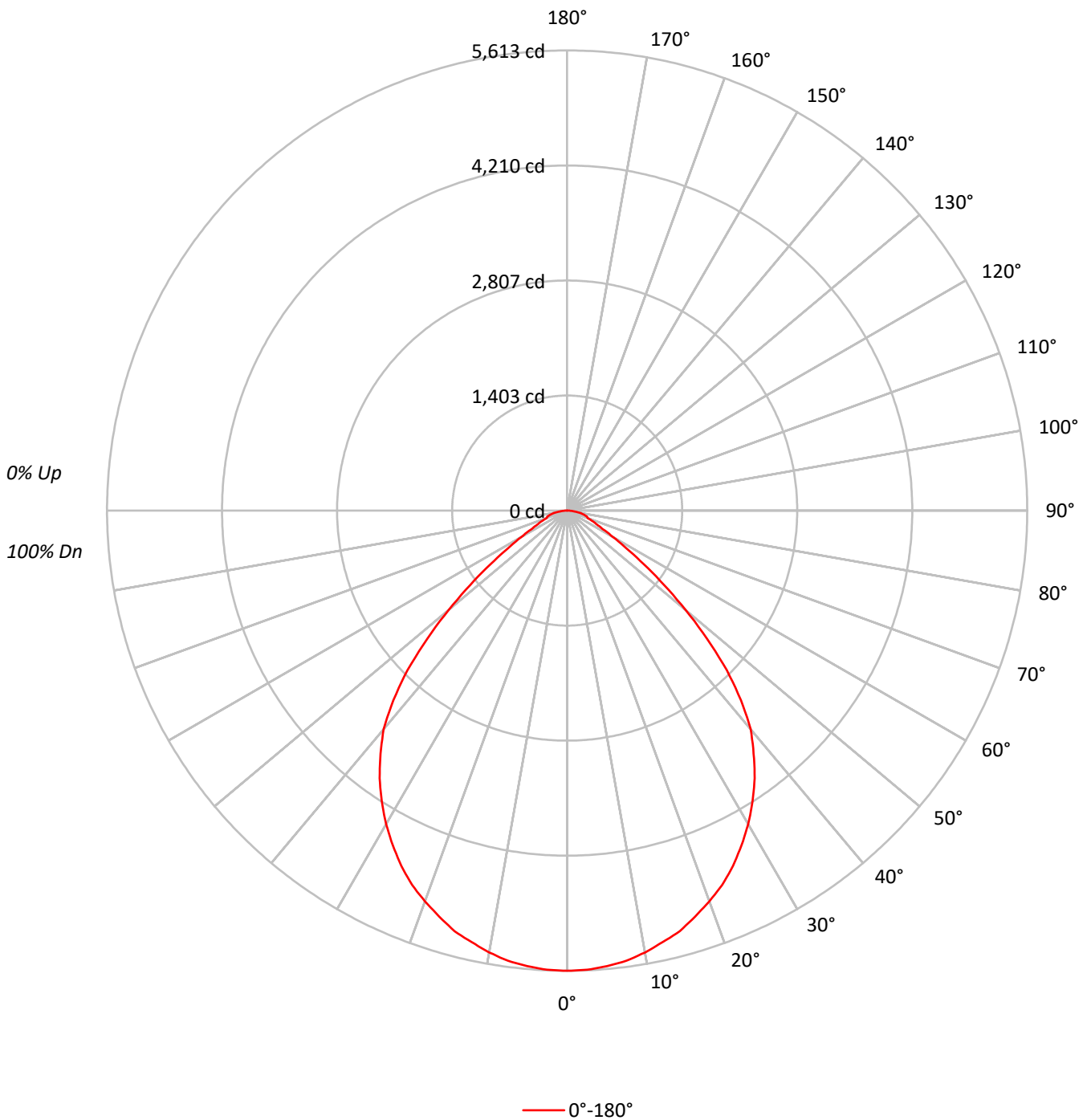
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	173078
5°	172643
10°	171355
15°	169568
20°	166439
25°	162751
30°	157282
35°	150136
40°	140200
45°	120095
50°	90299
55°	61207
60°	39822
65°	29215
70°	23865
75°	27045
80°	28359
85°	22997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.3	5.0
10°-20°	1494.2	14.1
20°-30°	2198.2	20.8
30°-40°	2483.0	23.5
40°-50°	2091.1	19.8
50°-60°	1055.0	10.0
60°-70°	413.3	3.9
70°-80°	233.4	2.2
80°-90°	72.6	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°	4221.7	39.9
0°-40°	6704.7	63.4
0°-60°	9850.7	93.2
0°-90°	10569.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10569.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5613	
5°	5577	529
15°	5312	1494
25°	4783	2198
35°	3988	2483
45°	2754	2091
55°	1138	1055
65°	400	413
75°	227	233
85°	65	73
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5612.8
2.5°	5607.1
5°	5577.4
7.5°	5538.6
10°	5472.5
12.5°	5390.3
15°	5311.6
17.5°	5191.8
20°	5072.0
22.5°	4942.0
25°	4783.4
27.5°	4604.3
30°	4417.2
32.5°	4207.3
35°	3988.3
37.5°	3737.3
40°	3482.9
42.5°	3136.1
45°	2753.9
47.5°	2315.8
50°	1882.3
52.5°	1491.0
55°	1138.5
57.5°	857.9
60°	645.7
62.5°	492.8
65°	400.4
67.5°	326.3
70°	264.7
72.5°	255.5
75°	227.0
77.5°	189.4
80°	159.7
82.5°	101.5
85°	65.0
87.5°	20.5
90°	0.0

(END OF REPORT)