

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: P246552

Luminaire Tested: **LD8B10D010 ER8B10840 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B10D010 ER8B10840 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1148.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

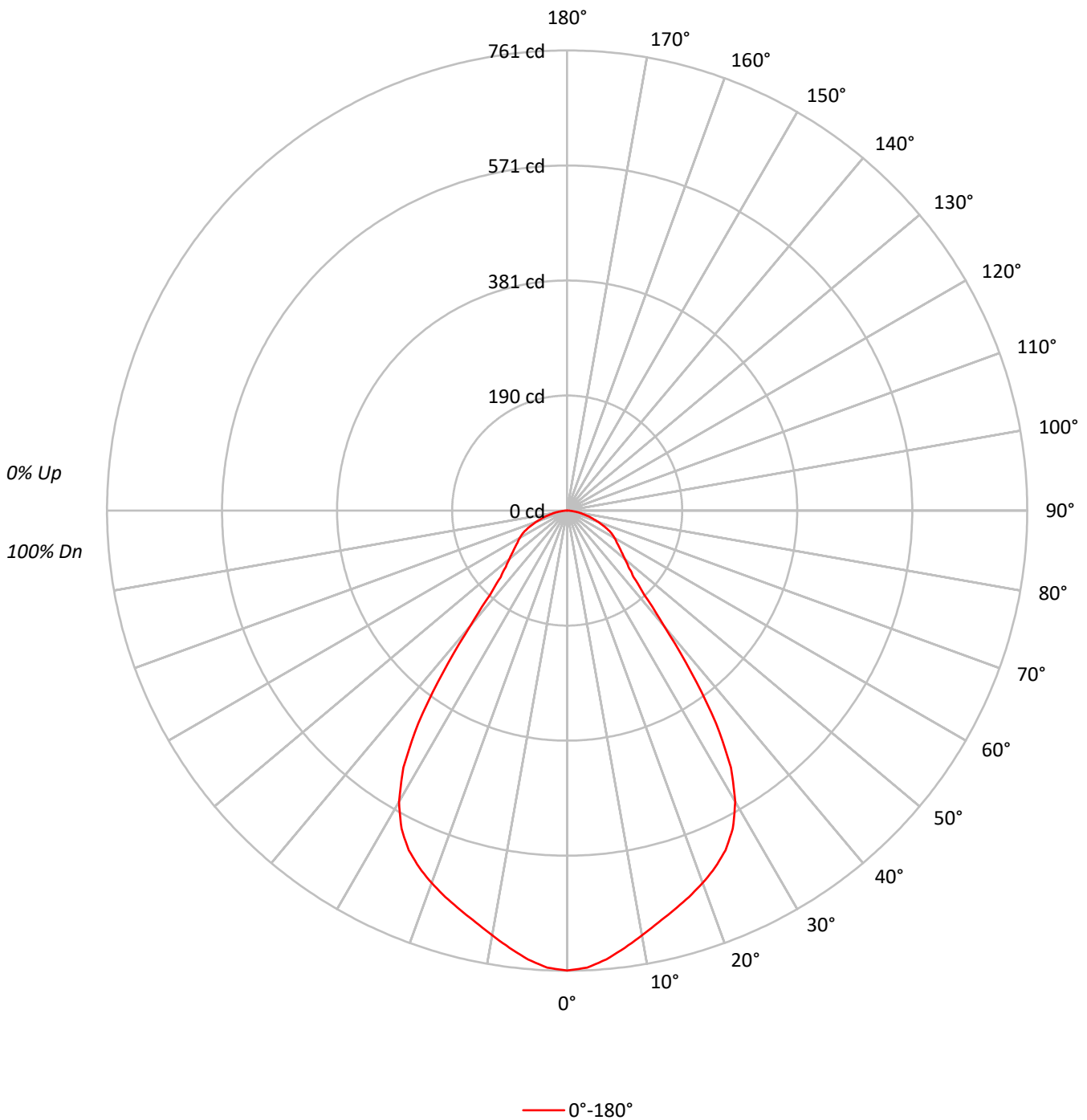
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	109	105	102	99	101	99	96		97	95	93		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	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23454
5°	23061
10°	22335
15°	21817
20°	21507
25°	21085
30°	19797
35°	16161
40°	10011
45°	6781
50°	5973
55°	5640
60°	5594
65°	5421
70°	4860
75°	4206
80°	3552
85°	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	6.1
10°-20°	193.0	16.8
20°-30°	283.1	24.7
30°-40°	258.8	22.5
40°-50°	128.1	11.2
50°-60°	94.7	8.3
60°-70°	72.8	6.3
70°-80°	37.9	3.3
80°-90°	9.4	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°	546.2	47.6
0°-40°	804.9	70.1
0°-60°	1027.8	89.5
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	761	
5°	745	70
15°	683	193
25°	620	283
35°	429	259
45°	156	128
55°	105	95
65°	74	73
75°	35	38
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	760.6
2.5°	756.6
5°	745.0
7.5°	729.3
10°	713.3
12.5°	697.6
15°	683.4
17.5°	670.0
20°	655.4
22.5°	639.0
25°	619.7
27.5°	593.1
30°	556.0
32.5°	503.9
35°	429.3
37.5°	336.8
40°	248.7
42.5°	188.2
45°	155.5
47.5°	137.6
50°	124.5
52.5°	114.0
55°	104.9
57.5°	97.2
60°	90.7
62.5°	83.7
65°	74.3
67.5°	64.1
70°	53.9
72.5°	44.4
75°	35.3
77.5°	27.3
80°	20.0
82.5°	13.8
85°	8.0
87.5°	2.9
90°	0.0

(END OF REPORT)