

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: P251496

Luminaire Tested: **LD8B60D010 ER8B60935 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251496
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: LD8B60D010 ER8B60935 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5910.0 lumens
Efficiency: N/A
Efficacy: 99.3 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

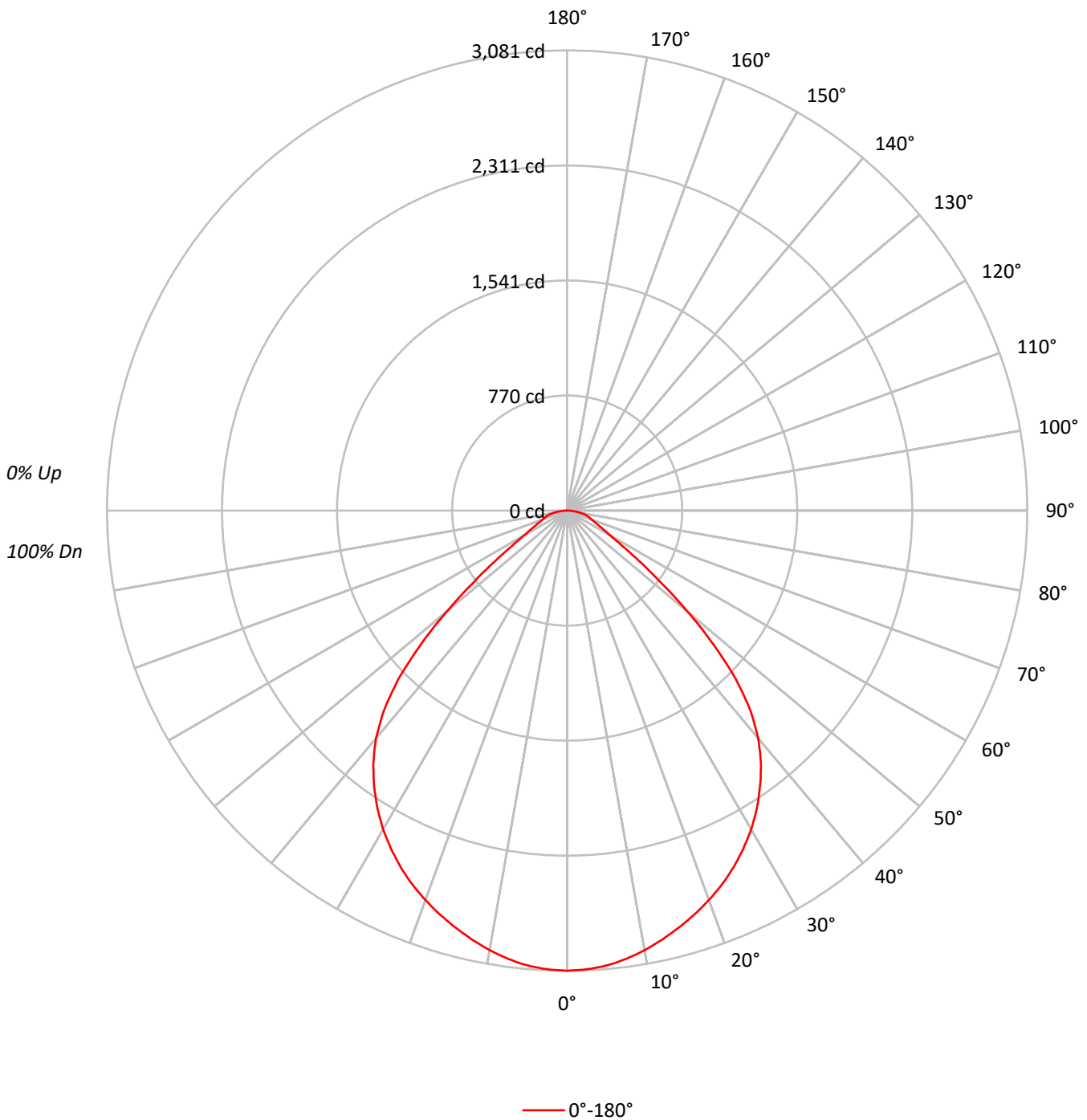
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	95010
5°	94630
10°	93570
15°	92270
20°	91066
25°	89681
30°	87731
35°	84790
40°	80146
45°	69805
50°	50482
55°	31429
60°	20463
65°	16811
70°	15498
75°	16799
80°	17101
85°	15214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.6	4.9
10°-20°	815.4	13.8
20°-30°	1212.9	20.5
30°-40°	1403.9	23.8
40°-50°	1204.7	20.4
50°-60°	553.9	9.4
60°-70°	235.2	4.0
70°-80°	145.7	2.5
80°-90°	48.7	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°	2317.9	39.2
0°-40°	3721.8	63.0
0°-60°	5480.5	92.7
0°-90°	5910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5910.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3081	
5°	3057	290
15°	2890	815
25°	2636	1213
35°	2252	1404
45°	1601	1205
55°	585	554
65°	230	235
75°	141	146
85°	43	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3081.1
2.5°	3074.3
5°	3057.1
7.5°	3027.8
10°	2988.3
12.5°	2941.9
15°	2890.3
17.5°	2835.3
20°	2775.1
22.5°	2709.7
25°	2635.8
27.5°	2553.3
30°	2463.9
32.5°	2364.2
35°	2252.4
37.5°	2132.0
40°	1991.0
42.5°	1817.4
45°	1600.7
47.5°	1334.2
50°	1052.3
52.5°	790.9
55°	584.6
57.5°	429.8
60°	331.8
62.5°	271.7
65°	230.4
67.5°	197.7
70°	171.9
72.5°	156.5
75°	141.0
77.5°	120.4
80°	96.3
82.5°	68.8
85°	43.0
87.5°	18.9
90°	0.0

(END OF REPORT)