

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: P250884

Luminaire Tested: **LD8B60D010 ER8B609727 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B609727 8LBS0LI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4895.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

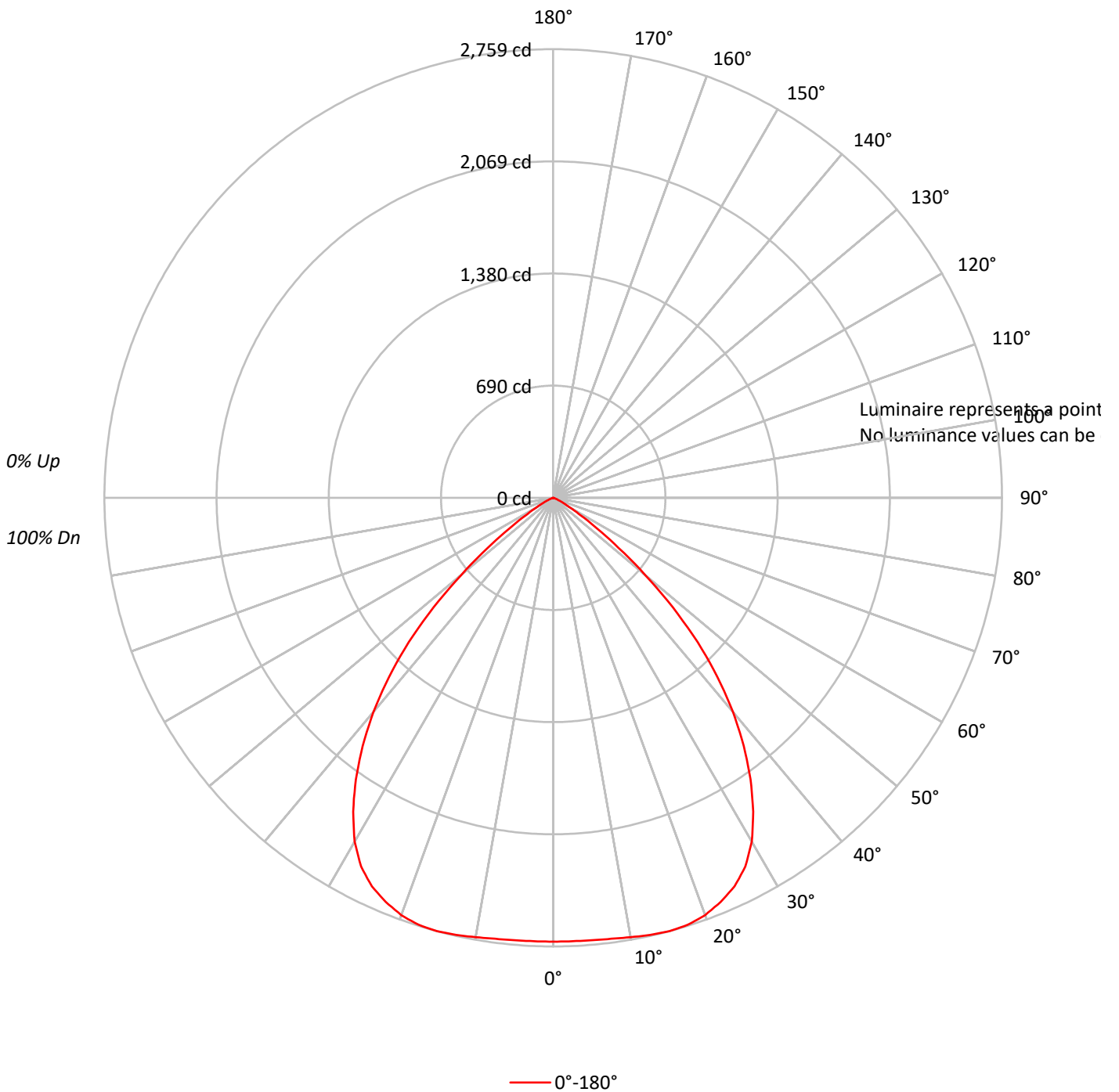
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250884

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSOLI

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.0	5.3
10°-20°	779.6	15.9
20°-30°	1207.7	24.7
30°-40°	1311.5	26.8
40°-50°	953.0	19.5
50°-60°	323.9	6.6
60°-70°	51.6	1.1
70°-80°	5.5	0.1
80°-90°	1.1	0.0
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°	2248.3	45.9
0°-40°	3559.8	72.7
0°-60°	4836.7	98.8
0°-90°	4895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4895.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2729	
5°	2731	261
15°	2759	780
25°	2637	1208
35°	2114	1312
45°	1255	953
55°	330	324
65°	45	52
75°	4	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2729.2
2.5°	2729.2
5°	2730.6
7.5°	2734.8
10°	2743.3
12.5°	2753.1
15°	2758.7
17.5°	2753.1
20°	2730.6
22.5°	2689.9
25°	2636.6
27.5°	2556.6
30°	2441.4
32.5°	2288.4
35°	2114.3
37.5°	1924.8
40°	1718.4
42.5°	1495.2
45°	1255.1
47.5°	996.8
50°	739.9
52.5°	506.8
55°	329.9
57.5°	200.8
60°	120.7
62.5°	74.4
65°	44.9
67.5°	25.3
70°	11.2
72.5°	7.0
75°	4.2
77.5°	2.8
80°	2.8
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)