

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: P250870

Luminaire Tested: **LD8B60D010 ER8B60840 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250870
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 ER8B60840 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6985.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

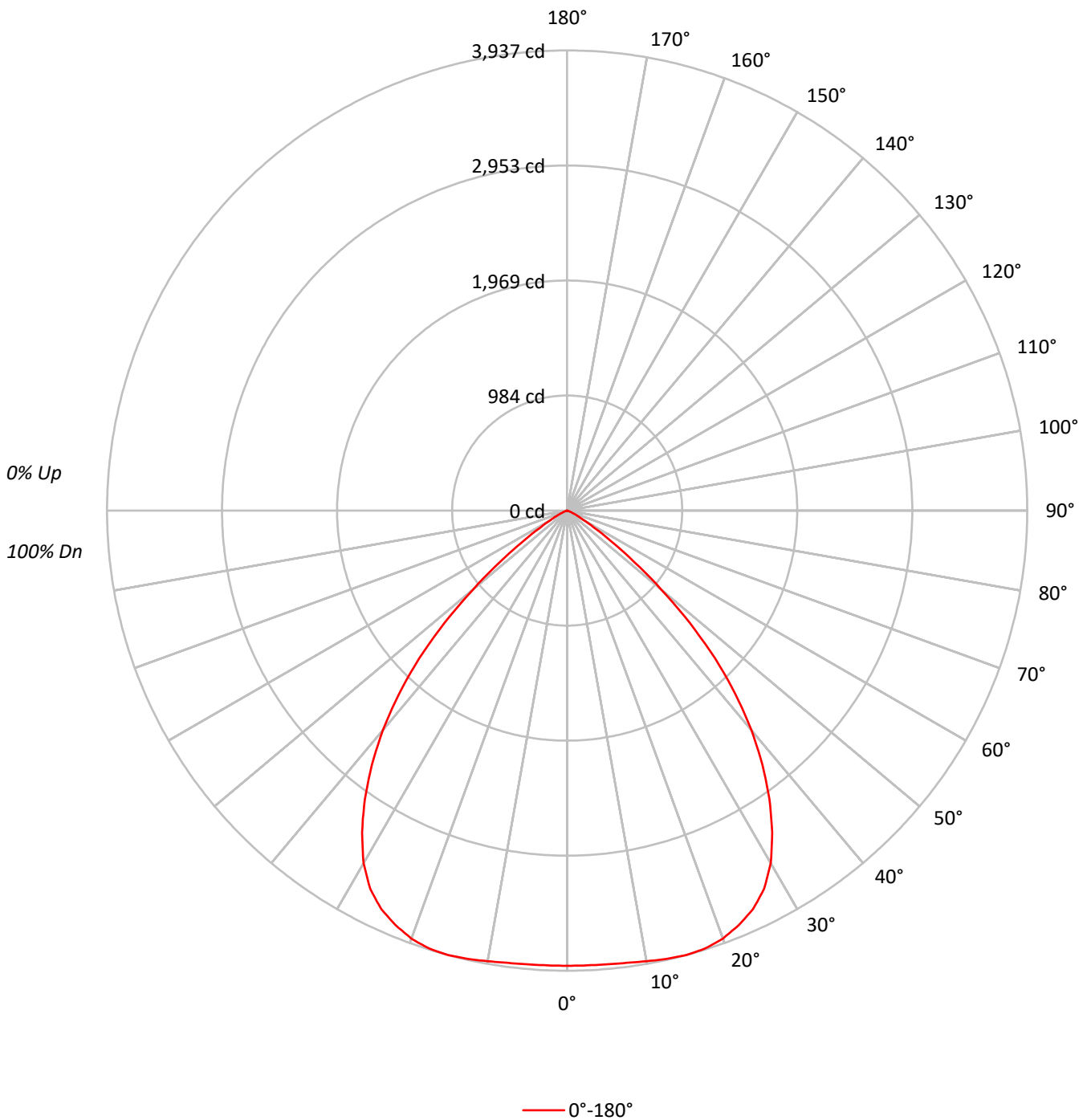
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250870

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSOLI

Luminous Intensity Polar Plot





TEST NUMBER: P250870

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSOLI

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):

	0°
0°	120092
5°	120613
10°	122574
15°	125672
20°	127865
25°	128009
30°	124047
35°	113576
40°	98707
45°	78104
50°	50650
55°	25311
60°	10626
65°	4677
70°	1443
75°	715
80°	710
85°	708



TEST NUMBER: P250870

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSOLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.5	5.3
10°-20°	1112.4	15.9
20°-30°	1723.3	24.7
30°-40°	1871.5	26.8
40°-50°	1360.0	19.5
50°-60°	462.2	6.6
60°-70°	73.6	1.1
70°-80°	7.9	0.1
80°-90°	1.6	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°	3208.2	45.9
0°-40°	5079.7	72.7
0°-60°	6901.9	98.8
0°-90°	6985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6985.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3894	
5°	3896	373
15°	3937	1112
25°	3762	1723
35°	3017	1871
45°	1791	1360
55°	471	462
65°	64	74
75°	6	8
85°	2	2
90°	0	



TEST NUMBER: P250870

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSOLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3894.5
2.5°	3894.5
5°	3896.5
7.5°	3902.5
10°	3914.6
12.5°	3928.6
15°	3936.6
17.5°	3928.6
20°	3896.5
22.5°	3838.4
25°	3762.3
27.5°	3648.1
30°	3483.8
32.5°	3265.5
35°	3017.1
37.5°	2746.6
40°	2452.1
42.5°	2133.6
45°	1791.0
47.5°	1422.4
50°	1055.8
52.5°	723.2
55°	470.8
57.5°	286.5
60°	172.3
62.5°	106.2
65°	64.1
67.5°	36.1
70°	16.0
72.5°	10.0
75°	6.0
77.5°	4.0
80°	4.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)