

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: P250866

Luminaire Tested: **LD8B60D010 ER8B60830 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250866
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 ER8B60830 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6761.0 lumens
Efficiency: N/A
Efficacy: 113.6 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

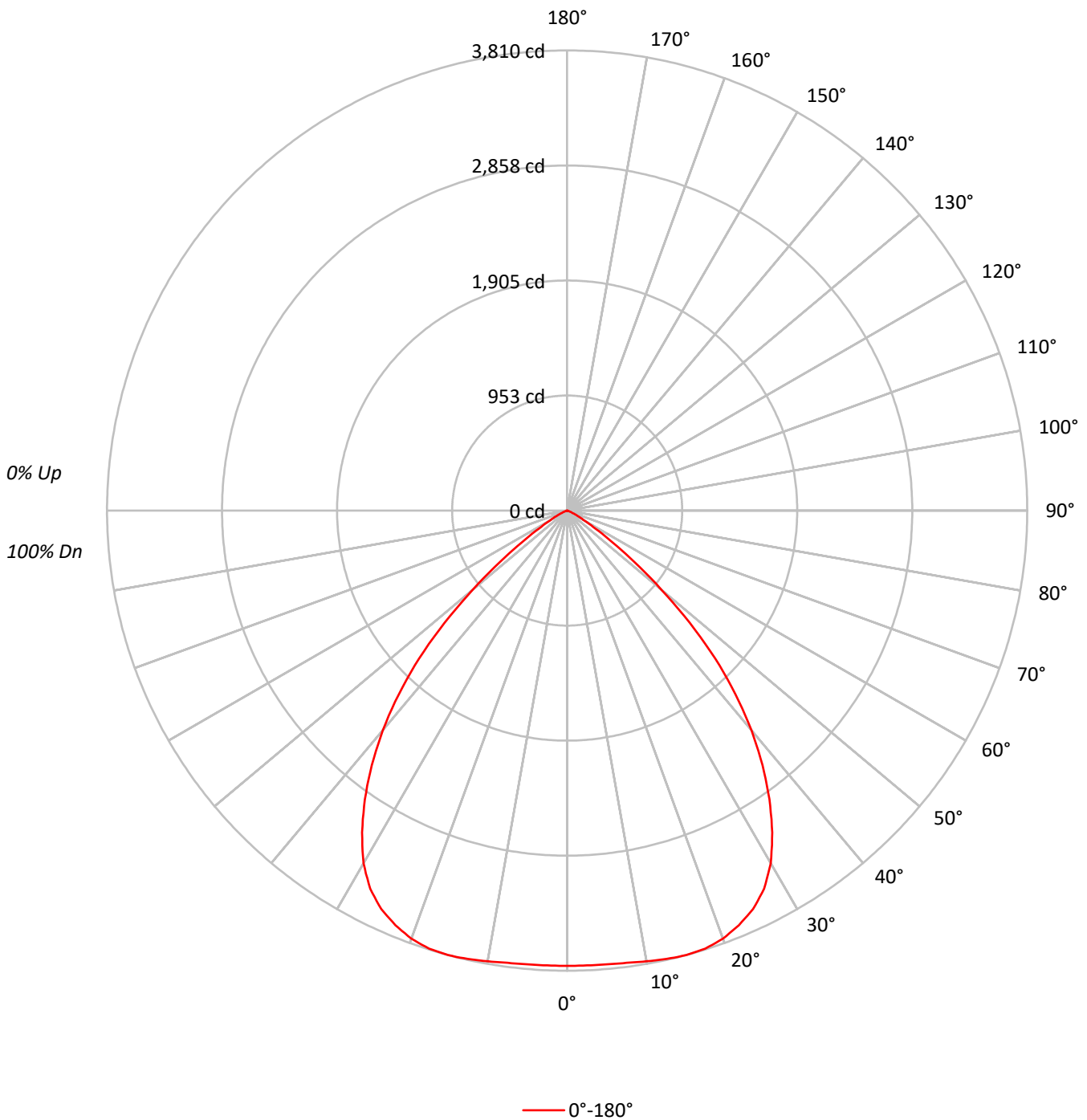
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250866

CATALOG NUMBER: LD8B60D010 ER8B60830 8LBSOLI

Luminous Intensity Polar Plot





TEST NUMBER: P250866

CATALOG NUMBER: LD8B60D010 ER8B60830 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°	116241
5°	116746
10°	118641
15°	121644
20°	123766
25°	123906
30°	120069
35°	109932
40°	95543
45°	75601
50°	49023
55°	24499
60°	10287
65°	4531
70°	1397
75°	691
80°	693
85°	672



TEST NUMBER: P250866

CATALOG NUMBER: LD8B60D010 ER8B60830 8LBSOLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.6	5.3
10°-20°	1076.7	15.9
20°-30°	1668.0	24.7
30°-40°	1811.5	26.8
40°-50°	1316.4	19.5
50°-60°	447.4	6.6
60°-70°	71.3	1.1
70°-80°	7.7	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°	3105.3	45.9
0°-40°	4916.8	72.7
0°-60°	6680.6	98.8
0°-90°	6761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6761.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3770	
5°	3772	361
15°	3810	1077
25°	3642	1668
35°	2920	1811
45°	1734	1316
55°	456	447
65°	62	71
75°	6	8
85°	2	2
90°	0	



TEST NUMBER: P250866

CATALOG NUMBER: LD8B60D010 ER8B60830 8LBSOLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3769.6
2.5°	3769.6
5°	3771.6
7.5°	3777.4
10°	3789.0
12.5°	3802.6
15°	3810.4
17.5°	3802.6
20°	3771.6
22.5°	3715.3
25°	3641.7
27.5°	3531.1
30°	3372.1
32.5°	3160.8
35°	2920.3
37.5°	2658.5
40°	2373.5
42.5°	2065.2
45°	1733.6
47.5°	1376.8
50°	1021.9
52.5°	700.0
55°	455.7
57.5°	277.3
60°	166.8
62.5°	102.8
65°	62.1
67.5°	34.9
70°	15.5
72.5°	9.7
75°	5.8
77.5°	3.9
80°	3.9
82.5°	1.9
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)