

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: P250882

Luminaire Tested: **LD8B60D010 ER8B60950 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250882  
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 ER8B60950 8LBSOLI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6483.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 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

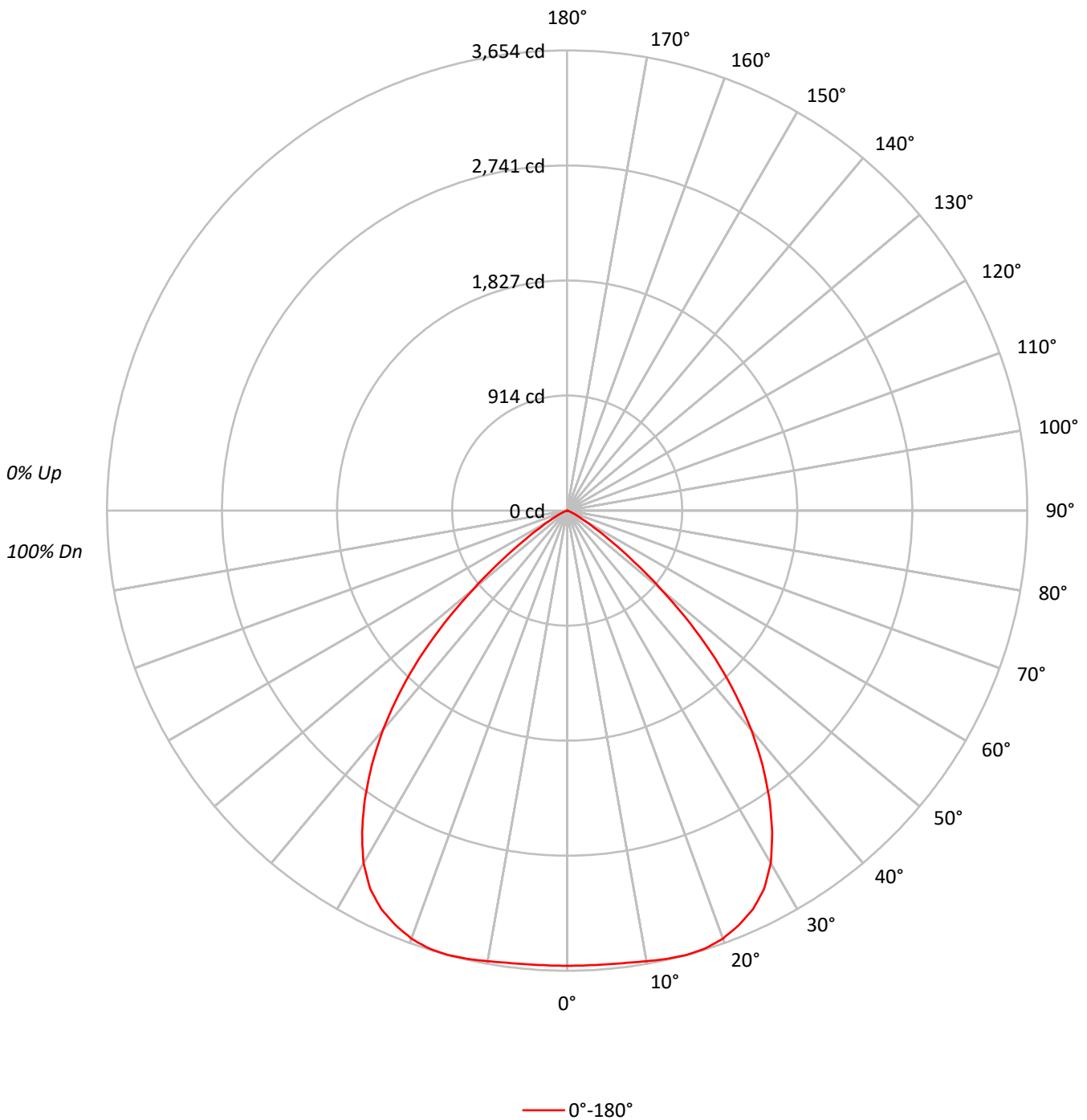
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P250882

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSOLI

### Luminous Intensity Polar Plot





TEST NUMBER: P250882

CATALOG NUMBER: LD8B60D010 ER8B60950 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°	111461
5°	111946
10°	113763
15°	116641
20°	118677
25°	118809
30°	115134
35°	105411
40°	91614
45°	72491
50°	47009
55°	23494
60°	9861
65°	4341
70°	1343
75°	667
80°	657
85°	672



TEST NUMBER: P250882

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSOLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.7	5.3
10°-20°	1032.5	15.9
20°-30°	1599.4	24.7
30°-40°	1737.0	26.8
40°-50°	1262.2	19.5
50°-60°	429.0	6.6
60°-70°	68.3	1.1
70°-80°	7.3	0.1
80°-90°	1.5	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°	2977.6	45.9
0°-40°	4714.6	72.7
0°-60°	6405.8	98.8
0°-90°	6483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3615	
5°	3616	346
15°	3654	1032
25°	3492	1599
35°	2800	1737
45°	1662	1262
55°	437	429
65°	60	68
75°	6	7
85°	2	2
90°	0	



TEST NUMBER: P250882

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBSOLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3614.6
2.5°	3614.6
5°	3616.5
7.5°	3622.1
10°	3633.2
12.5°	3646.2
15°	3653.7
17.5°	3646.2
20°	3616.5
22.5°	3562.6
25°	3491.9
27.5°	3385.9
30°	3233.5
32.5°	3030.8
35°	2800.2
37.5°	2549.2
40°	2275.9
42.5°	1980.2
45°	1662.3
47.5°	1320.2
50°	979.9
52.5°	671.2
55°	437.0
57.5°	265.9
60°	159.9
62.5°	98.5
65°	59.5
67.5°	33.5
70°	14.9
72.5°	9.3
75°	5.6
77.5°	3.7
80°	3.7
82.5°	1.9
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)