

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: P251434

Luminaire Tested: **LD8B60D010 ER8B60950 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60950 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5862.0 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

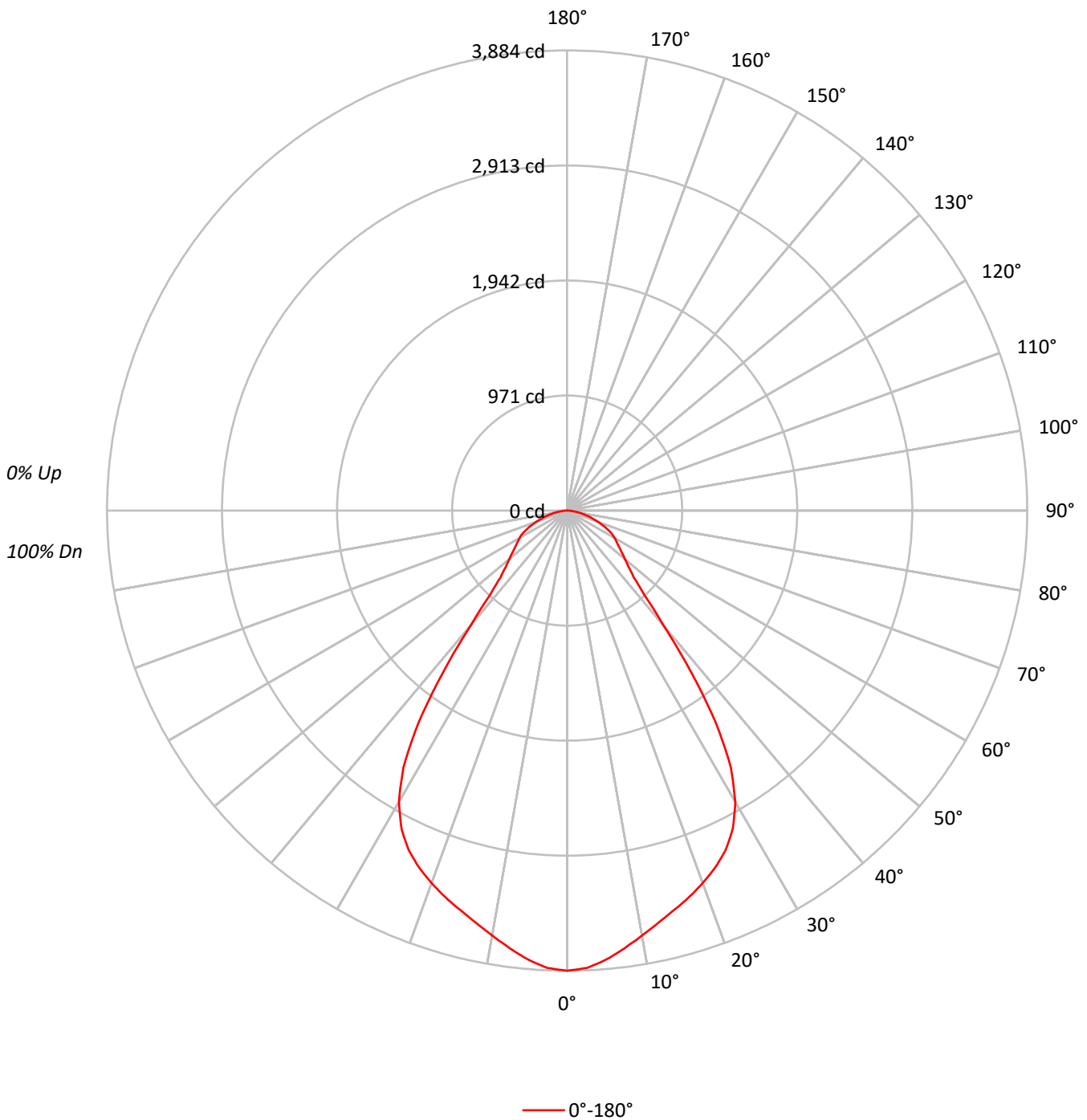
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P251434

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P251434

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0MW

**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	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	119768
5°	117749
10°	114048
15°	111409
20°	109823
25°	107669
30°	101091
35°	82520
40°	51118
45°	34621
50°	30506
55°	28789
60°	28554
65°	27676
70°	24812
75°	21481
80°	18166
85°	14471



TEST NUMBER: P251434

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.8	6.1
10°-20°	985.6	16.8
20°-30°	1445.5	24.7
30°-40°	1321.3	22.5
40°-50°	654.1	11.2
50°-60°	483.7	8.3
60°-70°	371.8	6.3
70°-80°	193.8	3.3
80°-90°	48.3	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°	2789.0	47.6
0°-40°	4110.2	70.1
0°-60°	5248.1	89.5
0°-90°	5862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5862.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3884	
5°	3804	358
15°	3490	986
25°	3164	1445
35°	2192	1321
45°	794	654
55°	536	484
65°	379	372
75°	180	194
85°	41	48
90°	0	



TEST NUMBER: P251434

CATALOG NUMBER: LD8B60D010 ER8B60950 8LBW0MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3884.0
2.5°	3863.5
5°	3804.0
7.5°	3724.1
10°	3642.3
12.5°	3562.3
15°	3489.8
17.5°	3421.0
20°	3346.7
22.5°	3263.0
25°	3164.5
27.5°	3028.7
30°	2839.1
32.5°	2573.2
35°	2192.1
37.5°	1719.8
40°	1269.9
42.5°	961.2
45°	793.9
47.5°	702.8
50°	635.9
52.5°	581.9
55°	535.5
57.5°	496.4
60°	463.0
62.5°	427.6
65°	379.3
67.5°	327.2
70°	275.2
72.5°	226.8
75°	180.3
77.5°	139.4
80°	102.3
82.5°	70.7
85°	40.9
87.5°	14.9
90°	0.0

(END OF REPORT)