

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: P251482

Luminaire Tested: **LD8B60D010 ER8B60827 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251482  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60827 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6501.0 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

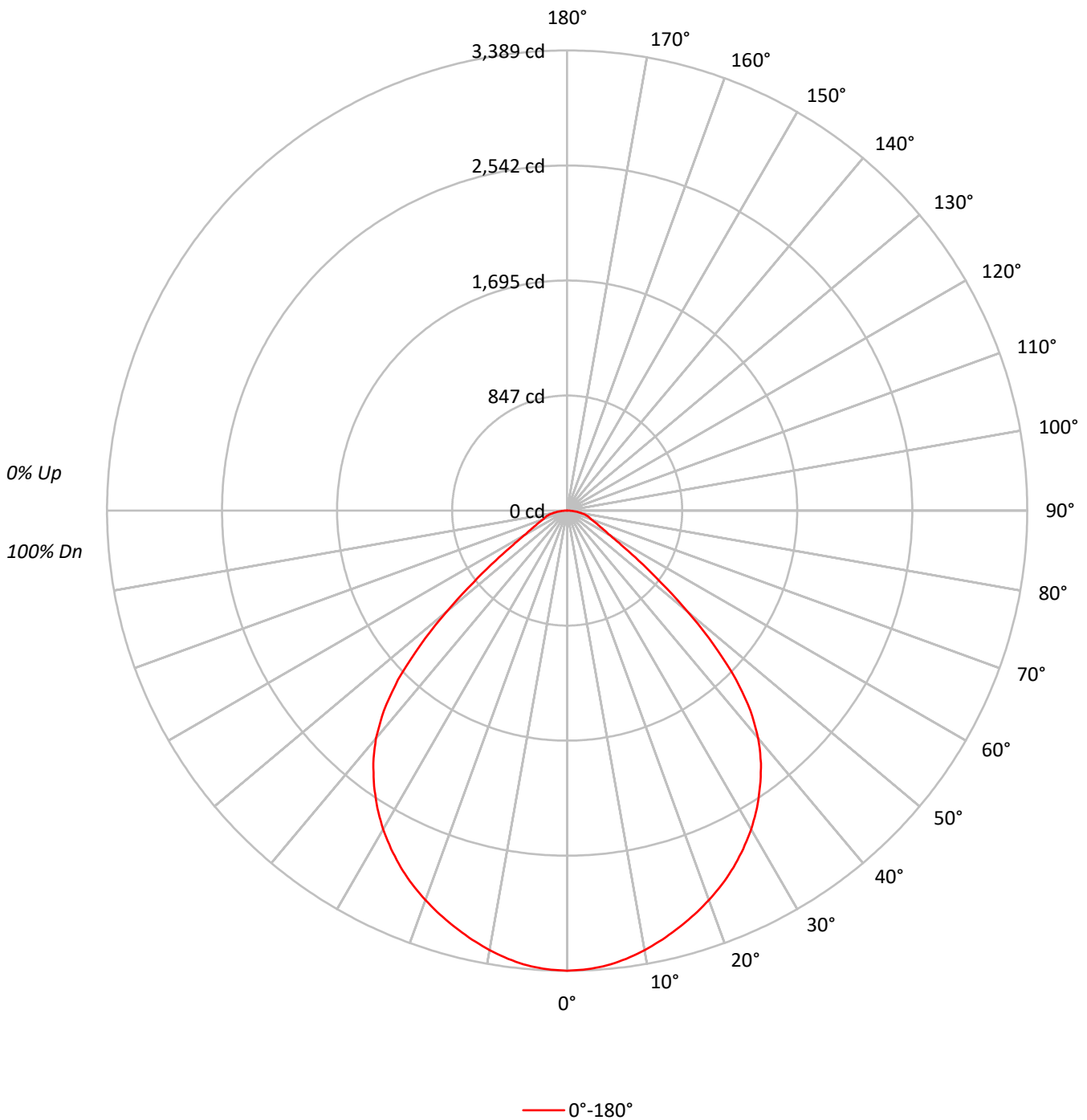
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83		88	85	82		85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73		80	76	72		78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

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

	0°
0°	104510
5°	104092
10°	102926
15°	101496
20°	100172
25°	98649
30°	96505
35°	93267
40°	88164
45°	76787
50°	55529
55°	34569
60°	22511
65°	18489
70°	17049
75°	18479
80°	18806
85°	16735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.6	4.9
10°-20°	896.9	13.8
20°-30°	1334.2	20.5
30°-40°	1544.3	23.8
40°-50°	1325.2	20.4
50°-60°	609.3	9.4
60°-70°	258.7	4.0
70°-80°	160.3	2.5
80°-90°	53.5	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°	2549.7	39.2
0°-40°	4094.0	63.0
0°-60°	6028.5	92.7
0°-90°	6501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6501.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3389	
5°	3363	319
15°	3179	897
25°	2899	1334
35°	2478	1544
45°	1761	1325
55°	643	609
65°	253	259
75°	155	160
85°	47	54
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3389.2
2.5°	3381.7
5°	3362.8
7.5°	3330.6
10°	3287.1
12.5°	3236.1
15°	3179.3
17.5°	3118.8
20°	3052.6
22.5°	2980.7
25°	2899.4
27.5°	2808.6
30°	2710.3
32.5°	2600.6
35°	2477.6
37.5°	2345.2
40°	2190.2
42.5°	1999.1
45°	1760.8
47.5°	1467.7
50°	1157.5
52.5°	870.0
55°	643.0
57.5°	472.8
60°	365.0
62.5°	298.8
65°	253.4
67.5°	217.5
70°	189.1
72.5°	172.1
75°	155.1
77.5°	132.4
80°	105.9
82.5°	75.7
85°	47.3
87.5°	20.8
90°	0.0

(END OF REPORT)