

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: P251488

Luminaire Tested: **LD8B60D010 ER8B60840 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251488  
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 ER8B60840 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6884.0 lumens  
Efficiency: N/A  
Efficacy: 115.7 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

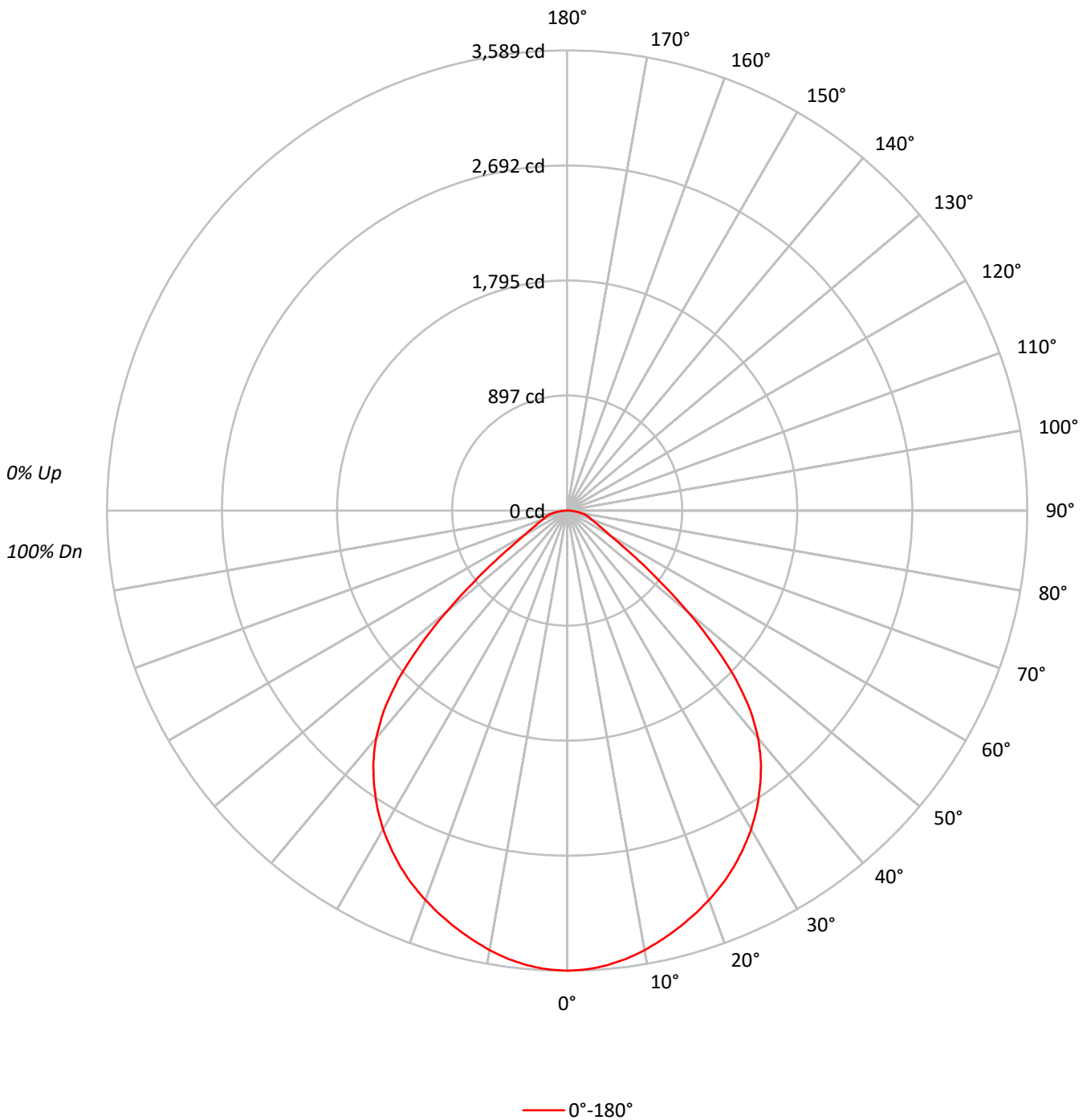
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	110668
5°	110224
10°	108991
15°	107476
20°	106072
25°	104461
30°	102188
35°	98763
40°	93357
45°	81314
50°	58800
55°	36606
60°	23836
65°	19584
70°	18059
75°	19563
80°	19924
85°	17726



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.3	4.9
10°-20°	949.7	13.8
20°-30°	1412.8	20.5
30°-40°	1635.3	23.8
40°-50°	1403.2	20.4
50°-60°	645.2	9.4
60°-70°	273.9	4.0
70°-80°	169.7	2.5
80°-90°	56.7	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°	2699.9	39.2
0°-40°	4335.2	63.0
0°-60°	6383.7	92.7
0°-90°	6884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3589	
5°	3561	337
15°	3367	950
25°	3070	1413
35°	2624	1635
45°	1865	1403
55°	681	645
65°	268	274
75°	164	170
85°	50	57
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3588.9
2.5°	3580.9
5°	3560.9
7.5°	3526.8
10°	3480.8
12.5°	3426.7
15°	3366.6
17.5°	3302.5
20°	3232.4
22.5°	3156.3
25°	3070.2
27.5°	2974.1
30°	2869.9
32.5°	2753.8
35°	2623.6
37.5°	2483.4
40°	2319.2
42.5°	2116.9
45°	1864.6
47.5°	1554.1
50°	1225.7
52.5°	921.3
55°	680.9
57.5°	500.7
60°	386.5
62.5°	316.4
65°	268.4
67.5°	230.3
70°	200.3
72.5°	182.3
75°	164.2
77.5°	140.2
80°	112.2
82.5°	80.1
85°	50.1
87.5°	22.0
90°	0.0

(END OF REPORT)