

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: P251424

Luminaire Tested: **LD8B60D010 ER8B60850 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251424  
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 ER8B60850 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6439.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 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

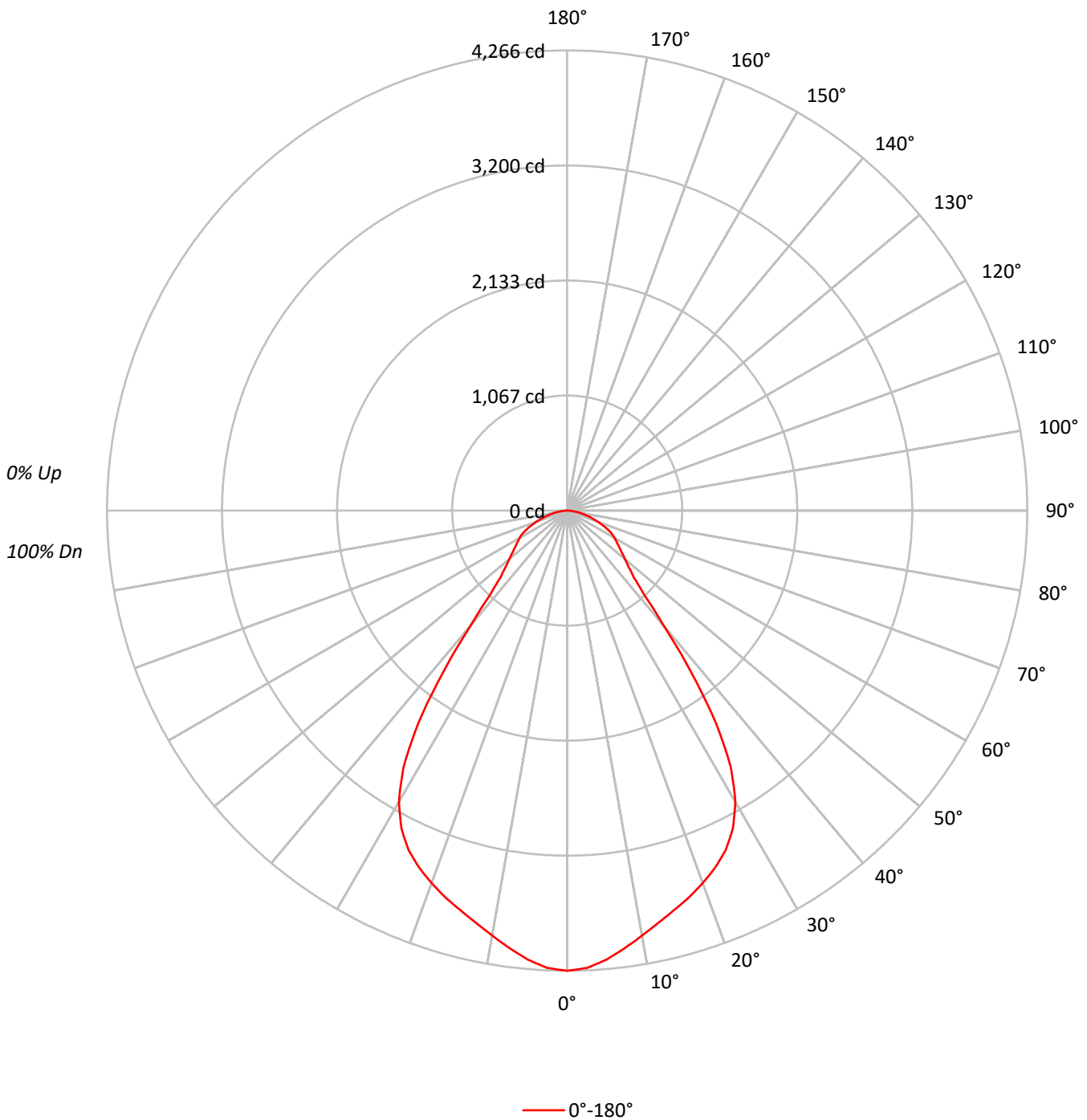
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	131557
5°	129342
10°	125273
15°	122375
20°	120632
25°	118264
30°	111040
35°	90640
40°	56150
45°	38027
50°	33509
55°	31622
60°	31361
65°	30397
70°	27255
75°	23602
80°	19942
85°	15886



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.1	6.1
10°-20°	1082.7	16.8
20°-30°	1587.7	24.7
30°-40°	1451.3	22.5
40°-50°	718.5	11.2
50°-60°	531.3	8.3
60°-70°	408.4	6.3
70°-80°	212.9	3.3
80°-90°	53.0	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°	3063.5	47.6
0°-40°	4514.8	70.1
0°-60°	5764.7	89.5
0°-90°	6439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6439.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4266	
5°	4178	393
15°	3833	1083
25°	3476	1588
35°	2408	1451
45°	872	719
55°	588	531
65°	417	408
75°	198	213
85°	45	53
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4266.3
2.5°	4243.8
5°	4178.5
7.5°	4090.7
10°	4000.8
12.5°	3913.0
15°	3833.3
17.5°	3757.8
20°	3676.1
22.5°	3584.2
25°	3475.9
27.5°	3326.8
30°	3118.5
32.5°	2826.5
35°	2407.8
37.5°	1889.1
40°	1394.9
42.5°	1055.9
45°	872.0
47.5°	772.0
50°	698.5
52.5°	639.2
55°	588.2
57.5°	545.3
60°	508.5
62.5°	469.7
65°	416.6
67.5°	359.4
70°	302.3
72.5°	249.2
75°	198.1
77.5°	153.2
80°	112.3
82.5°	77.6
85°	44.9
87.5°	16.3
90°	0.0

(END OF REPORT)