

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: P251468

Luminaire Tested: **LD8B60D010 ER8B60850 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251468  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60850 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6331.0 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

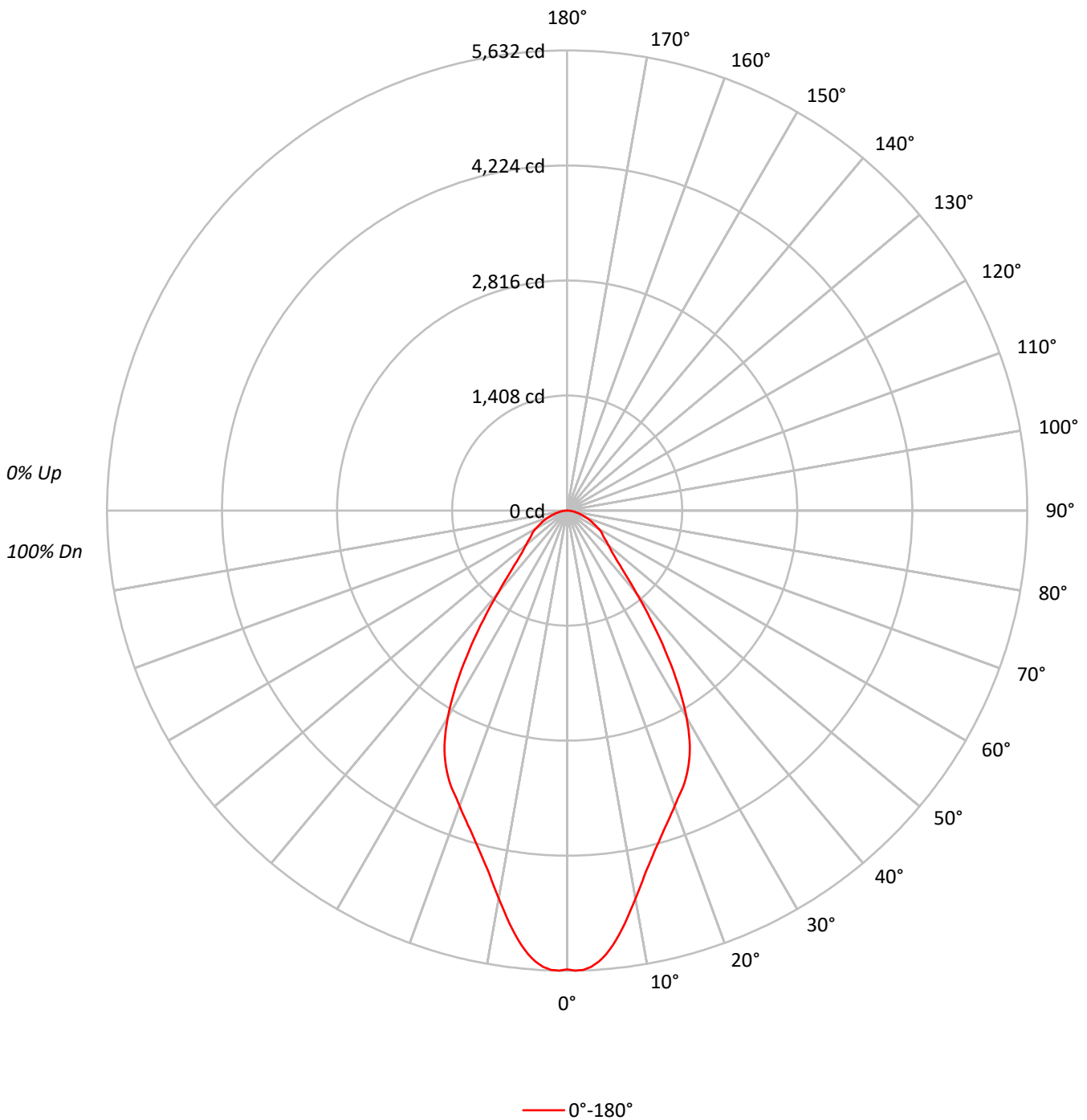
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

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

	0°
0°	173183
5°	168790
10°	150896
15°	135601
20°	126280
25°	118965
30°	104014
35°	78816
40°	52934
45°	37312
50°	31643
55°	28854
60°	27339
65°	24596
70°	22125
75°	19897
80°	17527
85°	16877



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	499.1	7.9
10°-20°	1197.9	18.9
20°-30°	1587.4	25.1
30°-40°	1301.6	20.6
40°-50°	693.4	11.0
50°-60°	488.0	7.7
60°-70°	336.5	5.3
70°-80°	175.2	2.8
80°-90°	51.9	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°	3284.3	51.9
0°-40°	4586.0	72.4
0°-60°	5767.4	91.1
0°-90°	6331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5616	
5°	5453	499
15°	4248	1198
25°	3496	1587
35°	2094	1302
45°	856	693
55°	537	488
65°	337	337
75°	167	175
85°	48	52
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5616.2
1°	5632.1
2°	5625.2
3°	5591.9
4°	5534.9
5°	5452.9
6°	5350.5
7°	5227.4
8°	5095.4
9°	4954.9
10°	4819.1
11°	4689.2
12°	4557.2
13°	4447.2
14°	4342.8
15°	4247.6
16°	4157.8
17°	4075.1
18°	3998.4
19°	3921.7
20°	3848.2
21°	3776.6
22°	3714.3
23°	3650.5
24°	3575.5
25°	3496.5
26°	3407.0
27°	3306.0
28°	3192.2
29°	3066.1
30°	2921.2
31°	2769.4
32°	2609.9
33°	2439.8
34°	2269.0
35°	2093.7
37.5°	1677.6
40°	1315.0
42.5°	1038.5
45°	855.6
47.5°	734.8
50°	659.6
52.5°	593.7
55°	536.7
57.5°	501.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	443.3
62.5°	386.5
65°	337.1
67.5°	293.1
70°	245.4
72.5°	204.9
75°	167.0
77.5°	120.8
80°	98.7
82.5°	71.4
85°	47.7
87.5°	22.2
90°	0.0

(END OF REPORT)