

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: P250938

Luminaire Tested: **LD8B60D010 ER8B60830 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60830 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5432.0 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

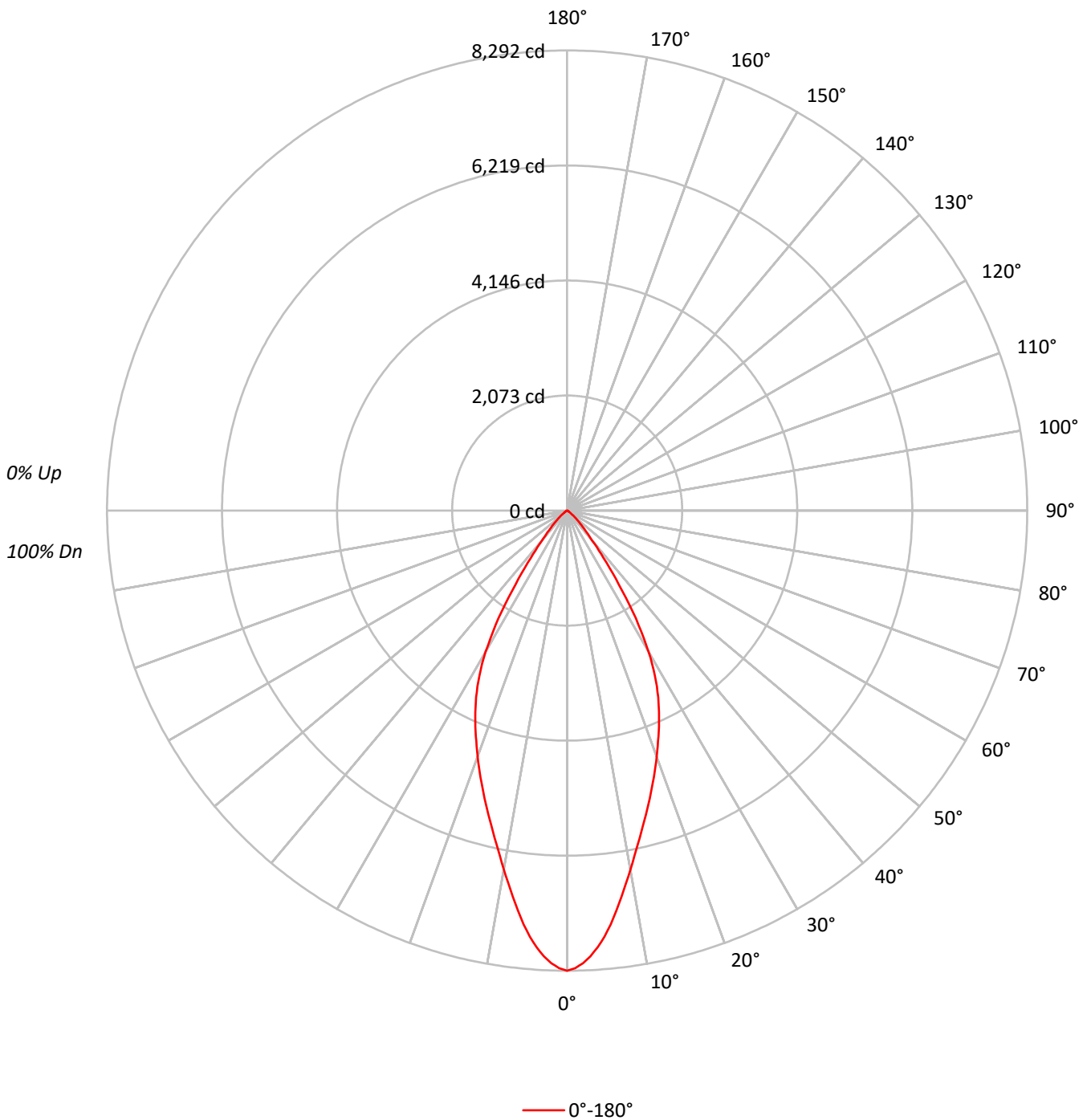
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

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

	0°
0°	255695
5°	238501
10°	205585
15°	177923
20°	154773
25°	133010
30°	104513
35°	60980
40°	28133
45°	14561
50°	7306
55°	3548
60°	1813
65°	1073
70°	496
75°	441
80°	320
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	697.3	12.8
10°-20°	1558.3	28.7
20°-30°	1771.7	32.6
30°-40°	1040.5	19.2
40°-50°	279.2	5.1
50°-60°	66.3	1.2
60°-70°	15.1	0.3
70°-80°	3.4	0.1
80°-90°	0.2	0.0
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°	4027.3	74.1
0°-40°	5067.8	93.3
0°-60°	5413.3	99.7
0°-90°	5432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5432.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8292	
5°	7705	697
15°	5573	1558
25°	3909	1772
35°	1620	1040
45°	334	279
55°	66	66
65°	15	15
75°	4	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8292.0
1°	8246.1
2°	8161.7
3°	8042.5
4°	7888.4
5°	7705.0
6°	7497.7
7°	7262.8
8°	7028.0
9°	6791.4
10°	6565.7
11°	6345.6
12°	6138.3
13°	5945.7
14°	5753.0
15°	5573.3
16°	5397.1
17°	5222.9
18°	5054.1
19°	4883.5
20°	4716.5
21°	4549.6
22°	4390.0
23°	4232.2
24°	4070.8
25°	3909.3
26°	3742.4
27°	3560.8
28°	3370.0
29°	3160.9
30°	2935.2
32.5°	2302.3
35°	1619.9
37.5°	1067.7
40°	698.9
42.5°	482.5
45°	333.9
47.5°	229.3
50°	152.3
52.5°	99.1
55°	66.0
57.5°	44.0
60°	29.4
62.5°	20.2
65°	14.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	9.2
70°	5.5
72.5°	3.7
75°	3.7
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)