

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: P250916

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250916  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60835 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6252.0 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

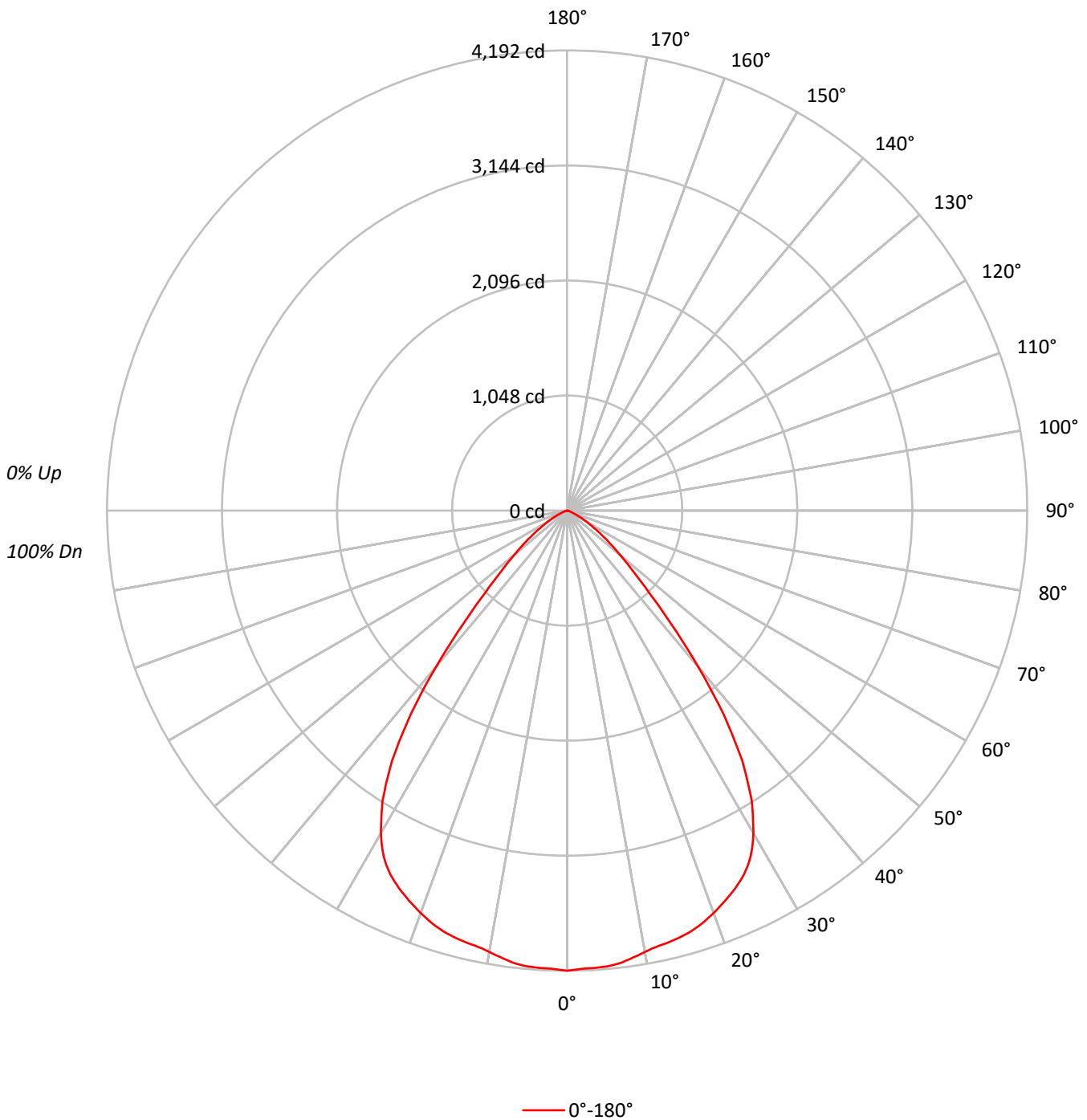
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

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

	0°
0°	129272
5°	128983
10°	127816
15°	128293
20°	128022
25°	126774
30°	120831
35°	104617
40°	74631
45°	45864
50°	30252
55°	20010
60°	12816
65°	6990
70°	3417
75°	1728
80°	959
85°	637



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.0	6.3
10°-20°	1133.5	18.1
20°-30°	1705.8	27.3
30°-40°	1688.8	27.0
40°-50°	858.1	13.7
50°-60°	345.7	5.5
60°-70°	104.7	1.7
70°-80°	18.0	0.3
80°-90°	2.2	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°	3234.3	51.7
0°-40°	4923.2	78.7
0°-60°	6127.0	98.0
0°-90°	6252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6252.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4192	
5°	4167	395
15°	4019	1133
25°	3726	1706
35°	2779	1689
45°	1052	858
55°	372	346
65°	96	105
75°	14	18
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4192.2
1°	4183.2
2°	4176.0
3°	4174.1
4°	4172.3
5°	4166.9
6°	4159.7
7°	4145.2
8°	4123.5
9°	4103.7
10°	4082.0
11°	4063.9
12°	4051.3
13°	4042.2
14°	4031.4
15°	4018.7
16°	4002.5
17°	3982.6
18°	3959.1
19°	3932.0
20°	3901.3
21°	3868.8
22°	3836.2
23°	3801.9
24°	3765.8
25°	3726.0
26°	3682.6
27°	3626.6
28°	3561.6
29°	3483.9
30°	3393.5
32.5°	3129.7
35°	2779.1
37.5°	2341.9
40°	1854.0
42.5°	1400.4
45°	1051.7
47.5°	804.1
50°	630.6
52.5°	489.7
55°	372.2
57.5°	276.5
60°	207.8
62.5°	148.2
65°	95.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	59.6
70°	37.9
72.5°	23.5
75°	14.5
77.5°	9.0
80°	5.4
82.5°	3.6
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)