

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: P250920

Luminaire Tested: **LSR8B60D010 EC8B60850 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250920  
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 EC8B60850 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6333.0 lumens  
Efficiency: N/A  
Efficacy: 106.4 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

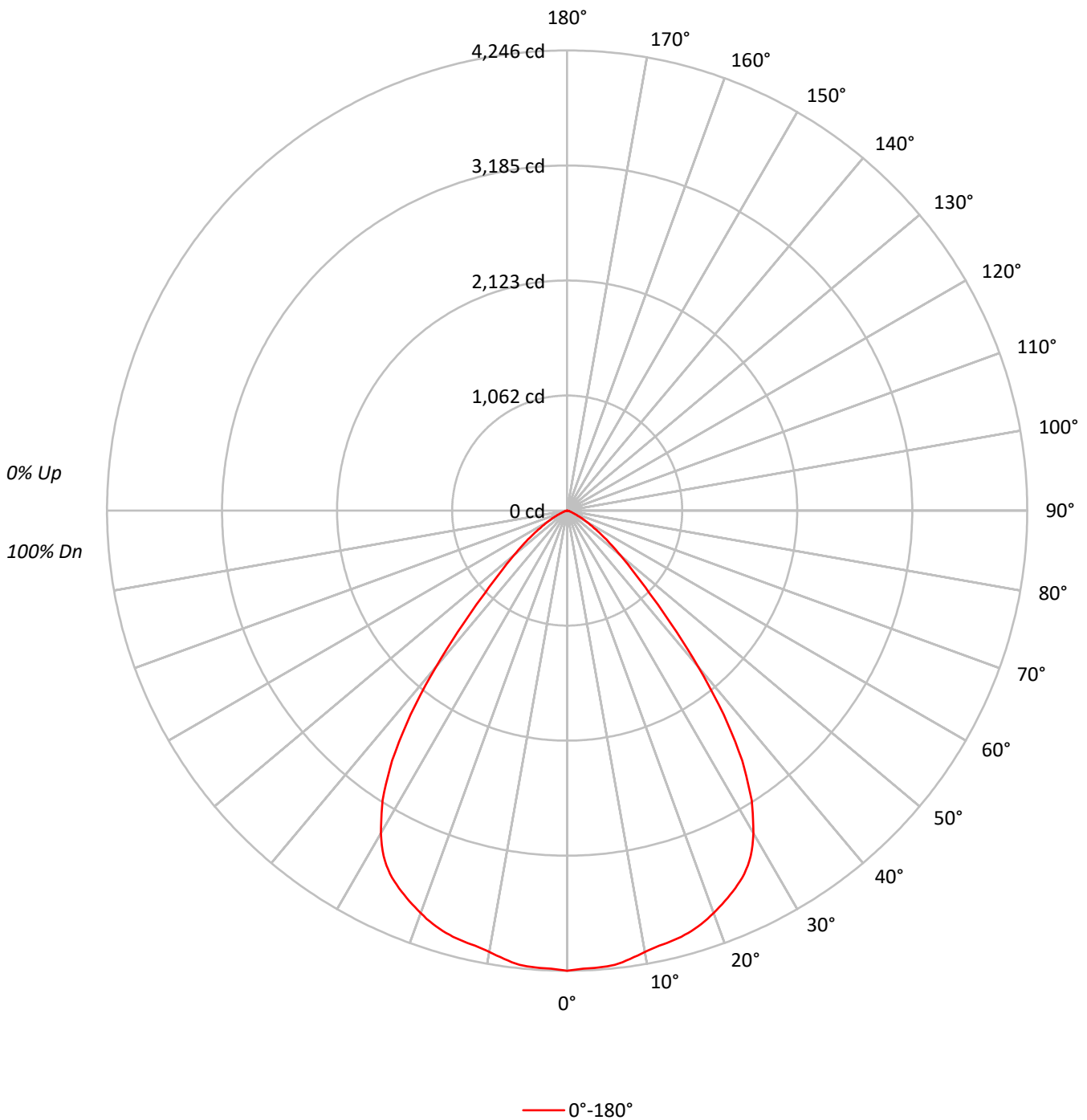
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	130946
5°	130654
10°	129472
15°	129957
20°	129680
25°	128417
30°	122398
35°	105976
40°	75597
45°	46457
50°	30645
55°	20273
60°	12982
65°	7078
70°	3462
75°	1739
80°	977
85°	637



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.1	6.3
10°-20°	1148.2	18.1
20°-30°	1727.9	27.3
30°-40°	1710.7	27.0
40°-50°	869.3	13.7
50°-60°	350.2	5.5
60°-70°	106.1	1.7
70°-80°	18.3	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°	3276.3	51.7
0°-40°	4987.0	78.7
0°-60°	6206.4	98.0
0°-90°	6333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6333.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4246	
5°	4221	400
15°	4071	1148
25°	3774	1728
35°	2815	1711
45°	1065	869
55°	377	350
65°	97	106
75°	15	18
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4246.5
1°	4237.4
2°	4230.1
3°	4228.2
4°	4226.4
5°	4220.9
6°	4213.6
7°	4198.9
8°	4177.0
9°	4156.8
10°	4134.9
11°	4116.6
12°	4103.8
13°	4094.6
14°	4083.6
15°	4070.8
16°	4054.3
17°	4034.2
18°	4010.4
19°	3983.0
20°	3951.8
21°	3918.9
22°	3885.9
23°	3851.2
24°	3814.6
25°	3774.3
26°	3730.4
27°	3673.6
28°	3607.7
29°	3529.0
30°	3437.5
32.5°	3170.3
35°	2815.2
37.5°	2372.2
40°	1878.0
42.5°	1418.6
45°	1065.3
47.5°	814.5
50°	638.8
52.5°	496.0
55°	377.1
57.5°	280.1
60°	210.5
62.5°	150.1
65°	97.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	60.4
70°	38.4
72.5°	23.8
75°	14.6
77.5°	9.2
80°	5.5
82.5°	3.7
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)