

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: P250930

Luminaire Tested: **LSR8B60D010 EC8B60950 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250930  
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 EC8B60950 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5766.0 lumens  
Efficiency: N/A  
Efficacy: 96.9 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

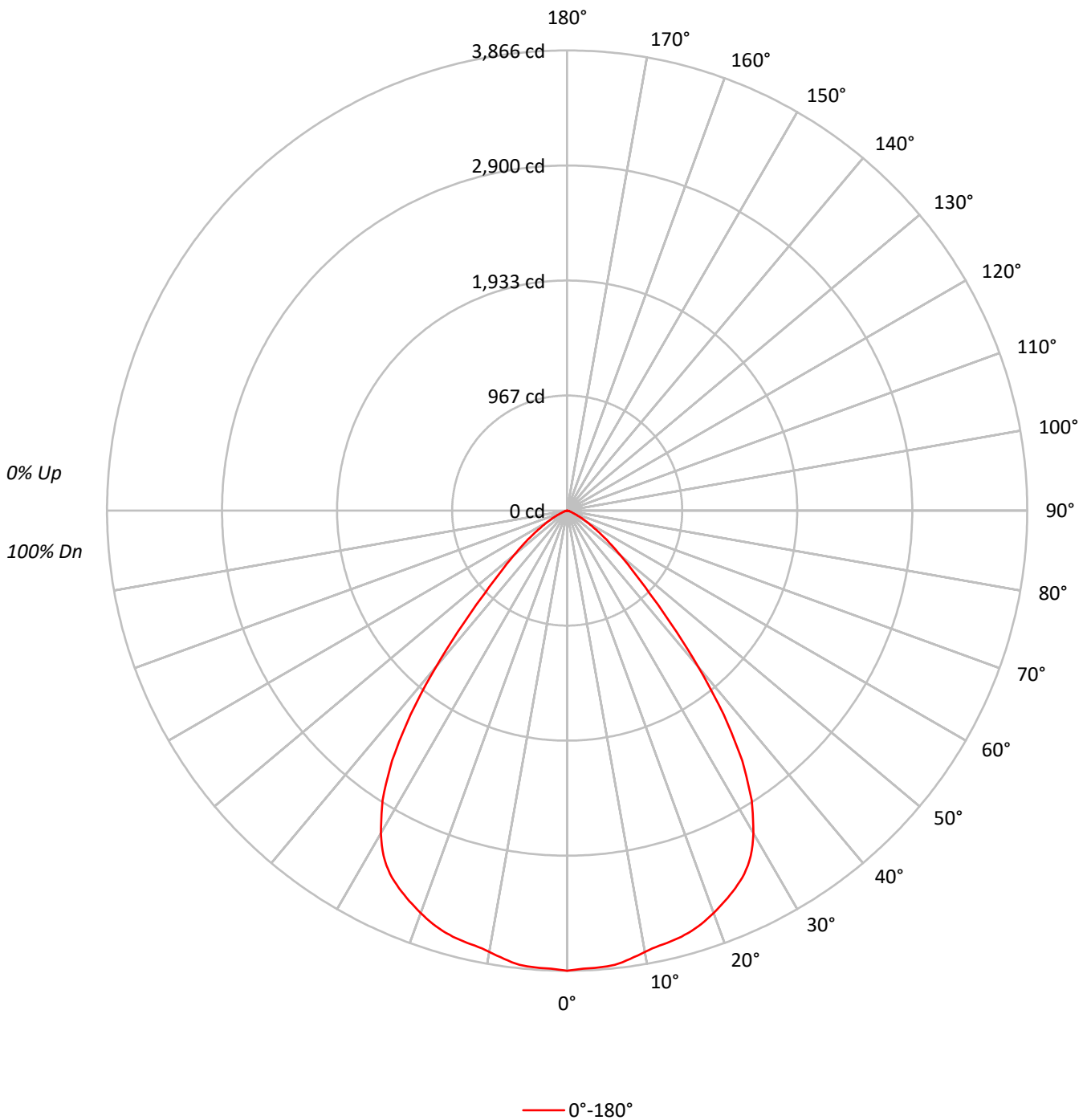
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	119222
5°	118957
10°	117880
15°	118320
20°	118070
25°	116920
30°	111438
35°	96486
40°	68830
45°	42296
50°	27901
55°	18456
60°	11823
65°	6443
70°	3156
75°	1585
80°	888
85°	601



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.3	6.3
10°-20°	1045.4	18.1
20°-30°	1573.2	27.3
30°-40°	1557.5	27.0
40°-50°	791.4	13.7
50°-60°	318.8	5.5
60°-70°	96.6	1.7
70°-80°	16.6	0.3
80°-90°	2.0	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°	2982.9	51.7
0°-40°	4540.5	78.7
0°-60°	5650.7	98.0
0°-90°	5766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5766.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3866	
5°	3843	364
15°	3706	1045
25°	3436	1573
35°	2563	1558
45°	970	791
55°	343	319
65°	88	97
75°	13	17
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3866.3
1°	3858.0
2°	3851.3
3°	3849.7
4°	3848.0
5°	3843.0
6°	3836.3
7°	3823.0
8°	3803.0
9°	3784.7
10°	3764.7
11°	3748.0
12°	3736.3
13°	3728.0
14°	3718.0
15°	3706.3
16°	3691.3
17°	3673.0
18°	3651.4
19°	3626.4
20°	3598.0
21°	3568.0
22°	3538.0
23°	3506.4
24°	3473.0
25°	3436.4
26°	3396.4
27°	3344.7
28°	3284.7
29°	3213.1
30°	3129.7
32.5°	2886.4
35°	2563.1
37.5°	2159.8
40°	1709.9
42.5°	1291.6
45°	969.9
47.5°	741.6
50°	581.6
52.5°	451.6
55°	343.3
57.5°	255.0
60°	191.7
62.5°	136.7
65°	88.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	55.0
70°	35.0
72.5°	21.7
75°	13.3
77.5°	8.3
80°	5.0
82.5°	3.3
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)