

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: P250934

Luminaire Tested: **LSR8B60D010 EC8B60930 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250934  
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 EC8B60930 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5163.4 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

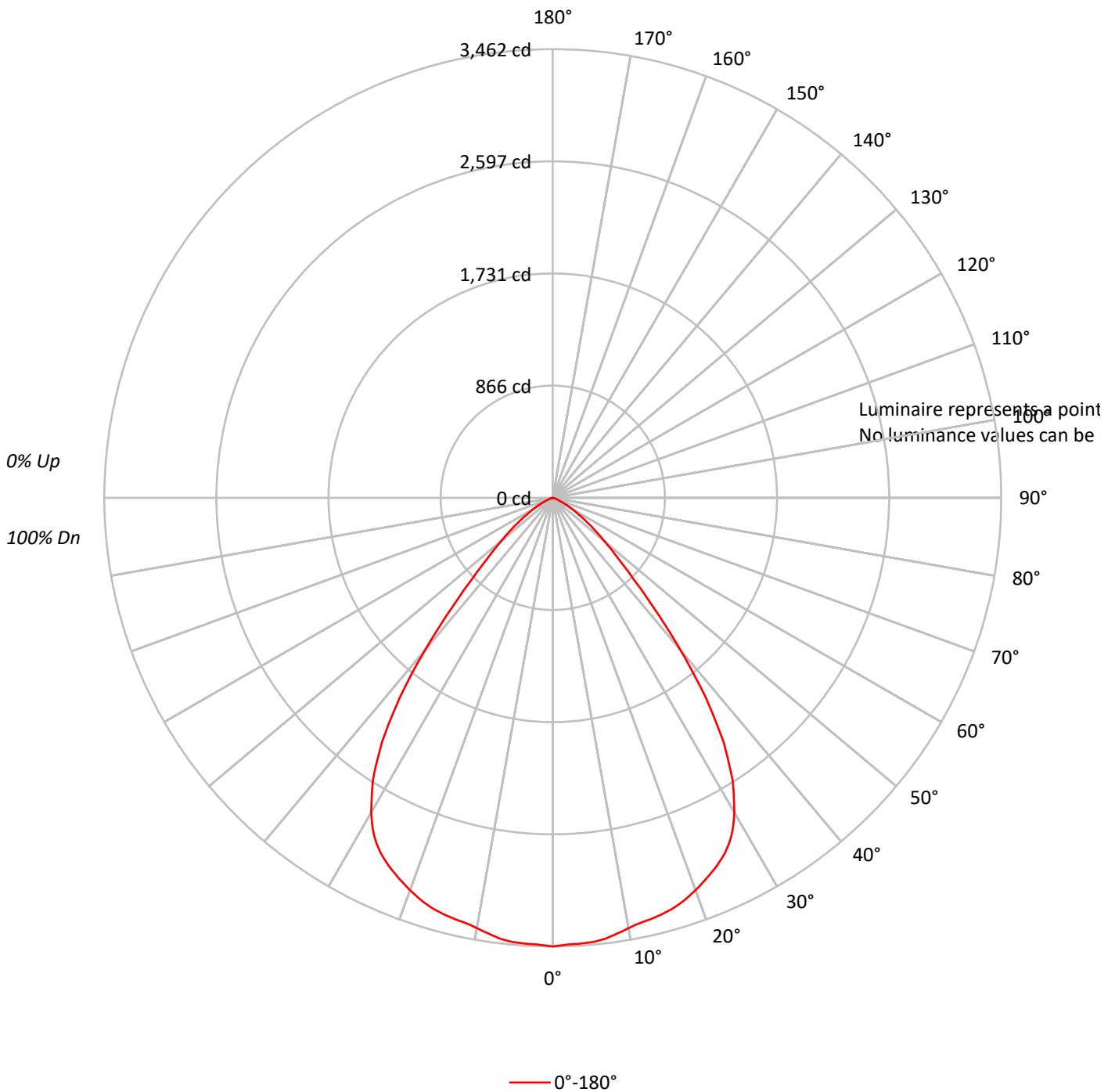
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.2	6.3
10°-20°	936.1	18.1
20°-30°	1408.8	27.3
30°-40°	1394.8	27.0
40°-50°	708.7	13.7
50°-60°	285.5	5.5
60°-70°	86.5	1.7
70°-80°	14.9	0.3
80°-90°	1.8	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°	2671.1	51.7
0°-40°	4065.9	78.7
0°-60°	5060.1	98.0
0°-90°	5163.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5163.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3462	
5°	3441	326
15°	3319	936
25°	3077	1409
35°	2295	1395
45°	869	709
55°	307	286
65°	79	86
75°	12	15
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3462.2
1°	3454.8
2°	3448.8
3°	3447.3
4°	3445.8
5°	3441.4
6°	3435.3
7°	3423.4
8°	3405.5
9°	3389.1
10°	3371.2
11°	3356.3
12°	3345.8
13°	3338.3
14°	3329.4
15°	3318.9
16°	3305.5
17°	3289.1
18°	3269.7
19°	3247.3
20°	3222.0
21°	3195.1
22°	3168.2
23°	3139.9
24°	3110.0
25°	3077.1
26°	3041.4
27°	2995.1
28°	2941.4
29°	2877.3
30°	2802.6
32.5°	2584.7
35°	2295.2
37.5°	1934.1
40°	1531.2
42.5°	1156.5
45°	868.6
47.5°	664.1
50°	520.8
52.5°	404.5
55°	307.4
57.5°	228.3
60°	171.6
62.5°	122.4
65°	79.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	49.2
70°	31.4
72.5°	19.4
75°	12.0
77.5°	7.5
80°	4.5
82.5°	3.0
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)