

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: P247332

Luminaire Tested: **LSR8B100D010 EC8B100930 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B100930 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8541.9 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

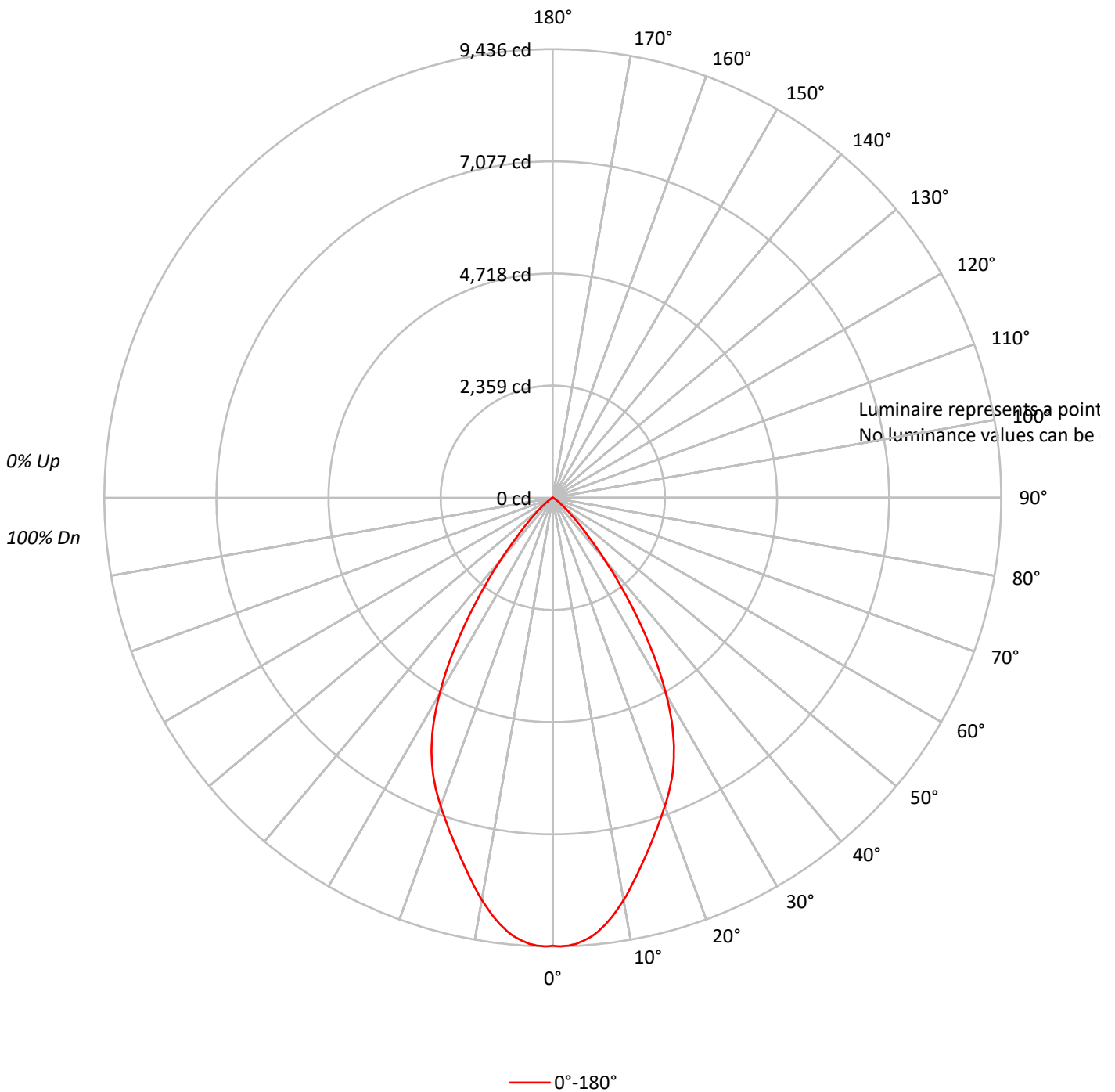
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58	54	50	49

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	862.3	10.1
10°-20°	2162.1	25.3
20°-30°	2729.4	32.0
30°-40°	1963.4	23.0
40°-50°	649.8	7.6
50°-60°	141.5	1.7
60°-70°	29.1	0.3
70°-80°	2.8	0.0
80°-90°	1.5	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°	5753.8	67.4
0°-40°	7717.2	90.3
0°-60°	8508.6	99.6
0°-90°	8541.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8541.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9423	
5°	9266	862
15°	7702	2162
25°	6028	2729
35°	3164	1963
45°	763	650
55°	138	142
65°	26	29
75°	2	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9422.7
1°	9435.9
2°	9424.9
3°	9393.9
4°	9336.0
5°	9265.8
6°	9169.6
7°	9044.0
8°	8905.6
9°	8754.1
10°	8587.5
11°	8417.6
12°	8232.4
13°	8053.9
14°	7874.5
15°	7702.3
16°	7532.7
17°	7370.2
18°	7209.0
19°	7054.1
20°	6898.2
21°	6738.3
22°	6582.3
23°	6412.6
24°	6229.5
25°	6028.4
26°	5817.3
27°	5582.2
28°	5333.7
29°	5057.5
30°	4769.9
31°	4467.2
32°	4148.7
33°	3814.5
34°	3487.7
35°	3164.0
37.5°	2376.2
40°	1683.7
42.5°	1140.7
45°	762.8
47.5°	511.7
50°	342.0
52.5°	206.5
55°	138.4
57.5°	96.4



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	57.2
62.5°	39.1
65°	26.2
67.5°	23.4
70°	2.1
72.5°	5.4
75°	2.1
77.5°	2.1
80°	0.0
82.5°	5.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)