

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: P247329

Luminaire Tested: **LSR8B120D010 EC8B120927 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247329  
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: LSR8B120D010 EC8B120927 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9185.8 lumens  
Efficiency: N/A  
Efficacy: 77.6 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

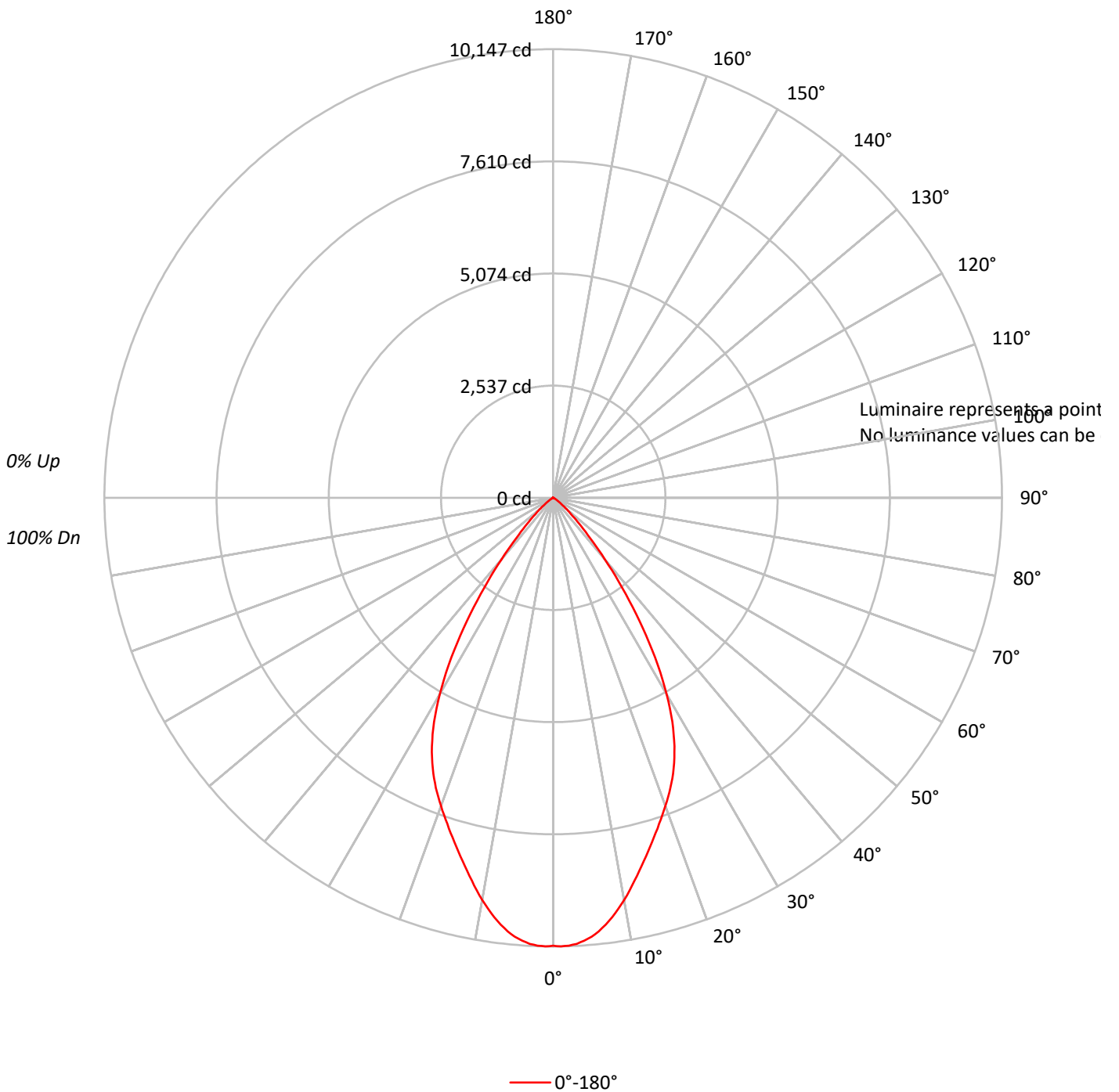
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	65	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°	927.2	10.1
10°-20°	2325.0	25.3
20°-30°	2935.1	32.0
30°-40°	2111.3	23.0
40°-50°	698.8	7.6
50°-60°	152.2	1.7
60°-70°	31.3	0.3
70°-80°	3.1	0.0
80°-90°	1.6	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°	6187.4	67.4
0°-40°	8298.7	90.3
0°-60°	9149.7	99.6
0°-90°	9185.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9185.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10133	
5°	9964	927
15°	8283	2325
25°	6483	2935
35°	3402	2111
45°	820	699
55°	149	152
65°	28	31
75°	2	3
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10132.6
1°	10146.9
2°	10135.0
3°	10101.6
4°	10039.5
5°	9964.0
6°	9860.4
7°	9725.4
8°	9576.6
9°	9413.7
10°	9234.7
11°	9051.8
12°	8852.6
13°	8660.8
14°	8467.8
15°	8282.6
16°	8100.3
17°	7925.5
18°	7752.3
19°	7585.6
20°	7417.9
21°	7246.0
22°	7078.3
23°	6895.7
24°	6698.9
25°	6482.7
26°	6255.7
27°	6002.9
28°	5735.6
29°	5438.6
30°	5129.2
31°	4803.8
32°	4461.3
33°	4102.0
34°	3750.4
35°	3402.4
37.5°	2555.2
40°	1810.7
42.5°	1226.6
45°	820.2
47.5°	550.4
50°	367.8
52.5°	222.1
55°	149.0
57.5°	103.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	61.5
62.5°	42.1
65°	28.1
67.5°	25.2
70°	2.4
72.5°	5.9
75°	2.4
77.5°	2.4
80°	0.0
82.5°	5.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)