

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: P250606

Luminaire Tested: **LSR8B120D010 EC8B120950 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B120D010 EC8B120950 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7248.0 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

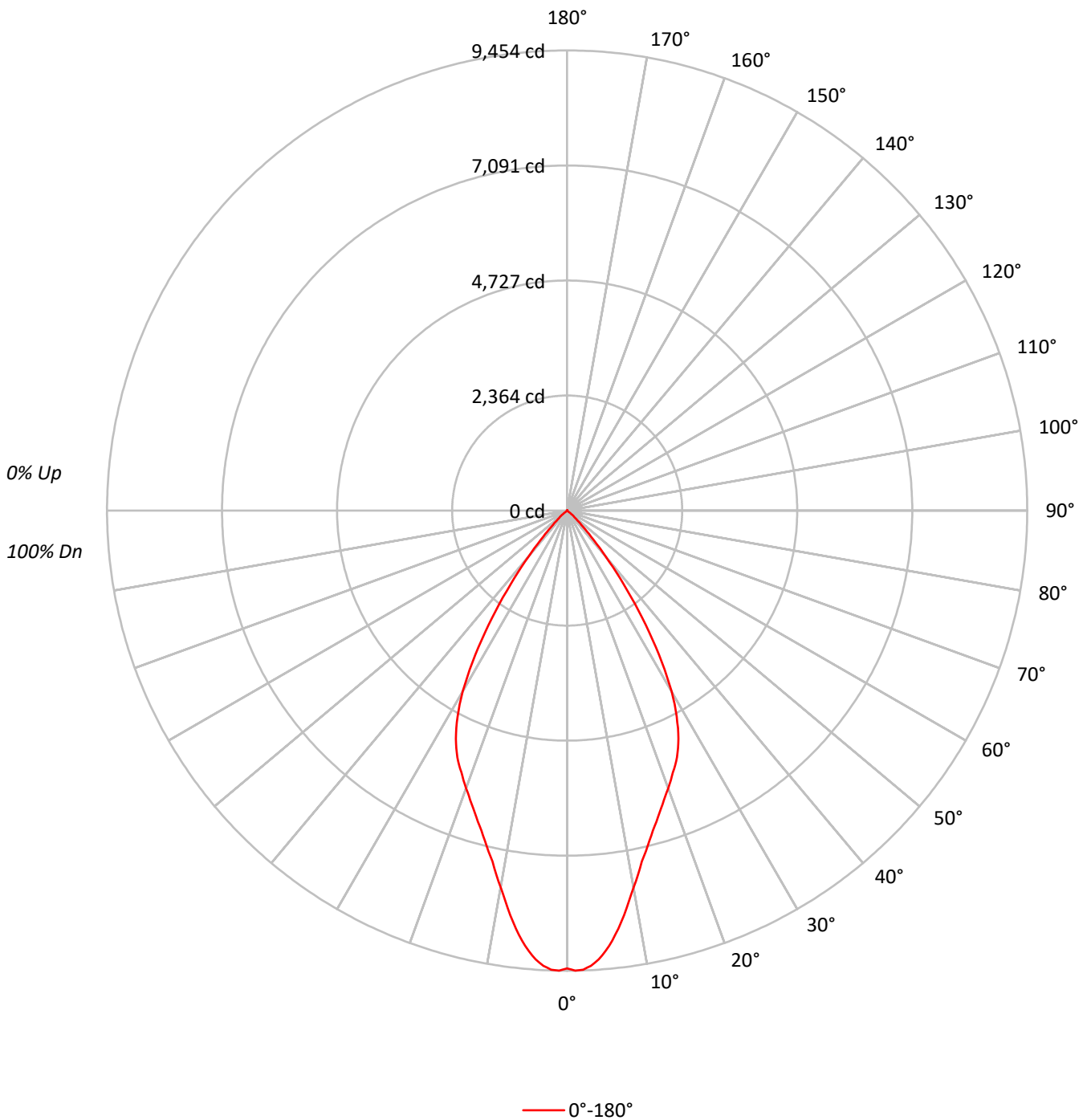
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

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

	0°
0°	290000
5°	281134
10°	246216
15°	217374
20°	199189
25°	183407
30°	152653
35°	101395
40°	49347
45°	17871
50°	5378
55°	376
60°	0
65°	255
70°	0
75°	0
80°	622
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	826.0	11.4
10°-20°	1918.4	26.5
20°-30°	2433.7	33.6
30°-40°	1667.3	23.0
40°-50°	379.9	5.2
50°-60°	18.9	0.3
60°-70°	0.9	0.0
70°-80°	1.4	0.0
80°-90°	1.4	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°	5178.1	71.4
0°-40°	6845.4	94.4
0°-60°	7244.3	99.9
0°-90°	7248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7248.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9404	
5°	9082	826
15°	6809	1918
25°	5390	2434
35°	2694	1667
45°	410	380
55°	7	19
65°	4	1
75°	0	1
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9404.5
1°	9453.5
2°	9436.0
3°	9366.0
4°	9246.8
5°	9082.3
6°	8882.6
7°	8651.5
8°	8395.7
9°	8122.5
10°	7863.3
11°	7625.2
12°	7369.5
13°	7183.9
14°	6987.7
15°	6809.1
16°	6648.0
17°	6490.3
18°	6343.2
19°	6199.6
20°	6070.0
21°	5936.9
22°	5800.3
23°	5681.2
24°	5548.2
25°	5390.5
26°	5215.4
27°	5012.3
28°	4795.1
29°	4553.4
30°	4287.2
31°	3986.0
32°	3674.3
33°	3348.5
34°	3015.7
35°	2693.5
37.5°	1901.9
40°	1225.9
42.5°	721.5
45°	409.8
47.5°	220.7
50°	112.1
52.5°	21.0
55°	7.0
57.5°	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	3.5
67.5°	0.0
70°	0.0
72.5°	3.5
75°	0.0
77.5°	0.0
80°	3.5
82.5°	0.0
85°	0.0
87.5°	3.5
90°	0.0

(END OF REPORT)