

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: P250025

Luminaire Tested: **LSR8B120D010 EC8B1209727 8LBNOWMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250025  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B120D010 EC8B1209727 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7563.0 lumens  
Efficiency: N/A  
Efficacy: 63.9 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

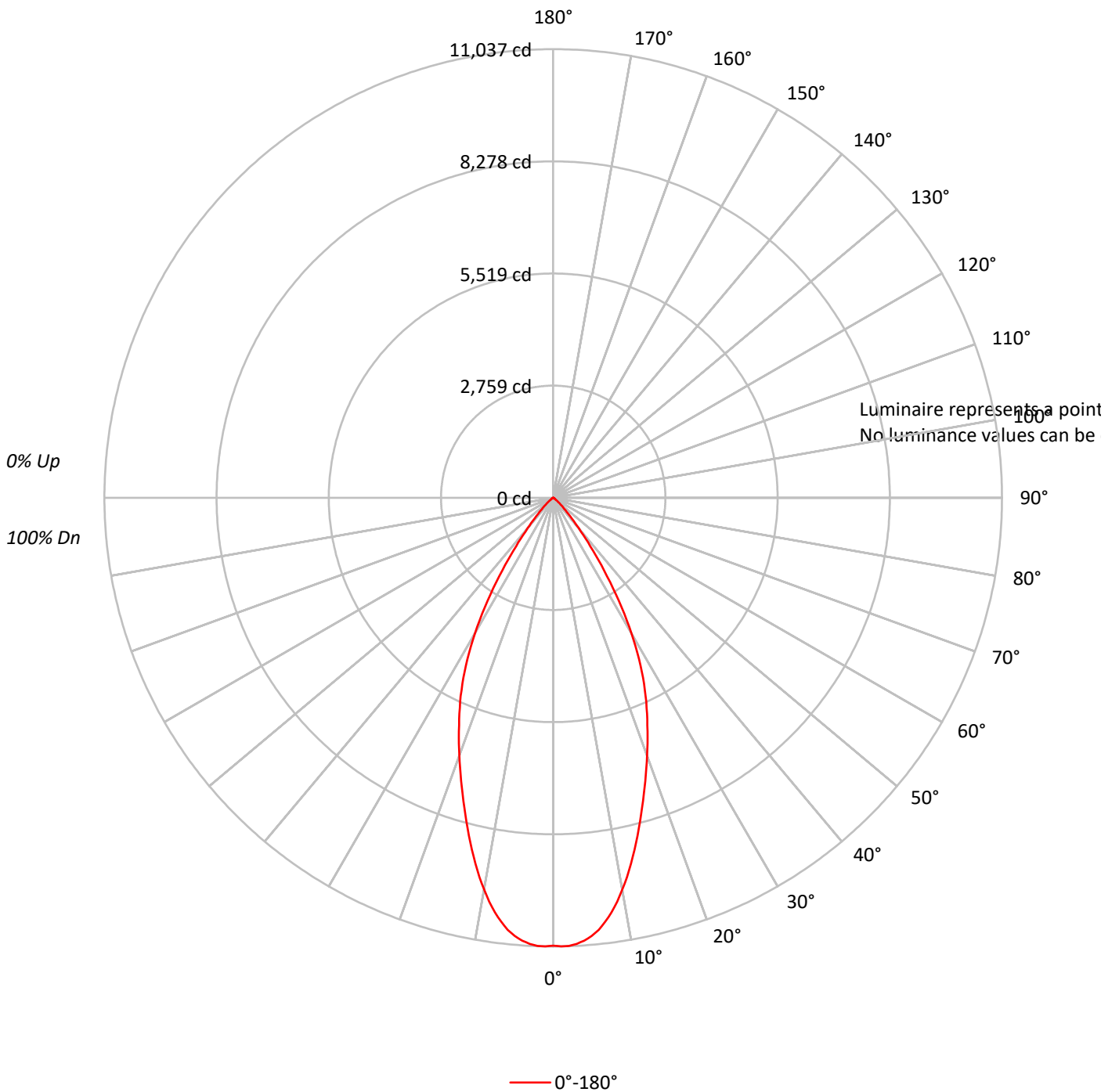
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	999.8	13.2
10°-20°	2293.9	30.3
20°-30°	2437.0	32.2
30°-40°	1390.4	18.4
40°-50°	344.8	4.6
50°-60°	67.8	0.9
60°-70°	20.4	0.3
70°-80°	4.8	0.1
80°-90°	4.0	0.1
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°	5730.8	75.8
0°-40°	7121.2	94.2
0°-60°	7533.7	99.6
0°-90°	7563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7563.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11016	
5°	10821	###
15°	8241	2294
25°	5380	2437
35°	2174	1390
45°	390	345
55°	63	68
65°	16	20
75°	0	5
85°	5	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11015.7
1°	11036.8
2°	11028.9
3°	10989.4
4°	10921.0
5°	10820.9
6°	10689.4
7°	10507.7
8°	10299.7
9°	10055.0
10°	9786.4
11°	9502.3
12°	9196.9
13°	8886.3
14°	8567.8
15°	8241.4
16°	7933.4
17°	7622.8
18°	7330.6
19°	7033.2
20°	6751.6
22.5°	6054.0
25°	5380.2
27.5°	4656.4
30°	3856.2
32.5°	2998.0
35°	2174.2
37.5°	1497.7
40°	968.7
42.5°	613.4
45°	389.5
47.5°	255.4
50°	160.6
52.5°	97.4
55°	63.1
57.5°	50.0
60°	31.6
62.5°	28.9
65°	15.8
67.5°	15.8
70°	13.2
72.5°	7.9
75°	0.0
77.5°	2.6
80°	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	5.3
85°	5.3
87.5°	2.6
90°	0.0

(END OF REPORT)