

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 EC8B1209727 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 EC8B1209727 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: 8165.0 lumens
Efficiency: N/A
Efficacy: 69.0 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

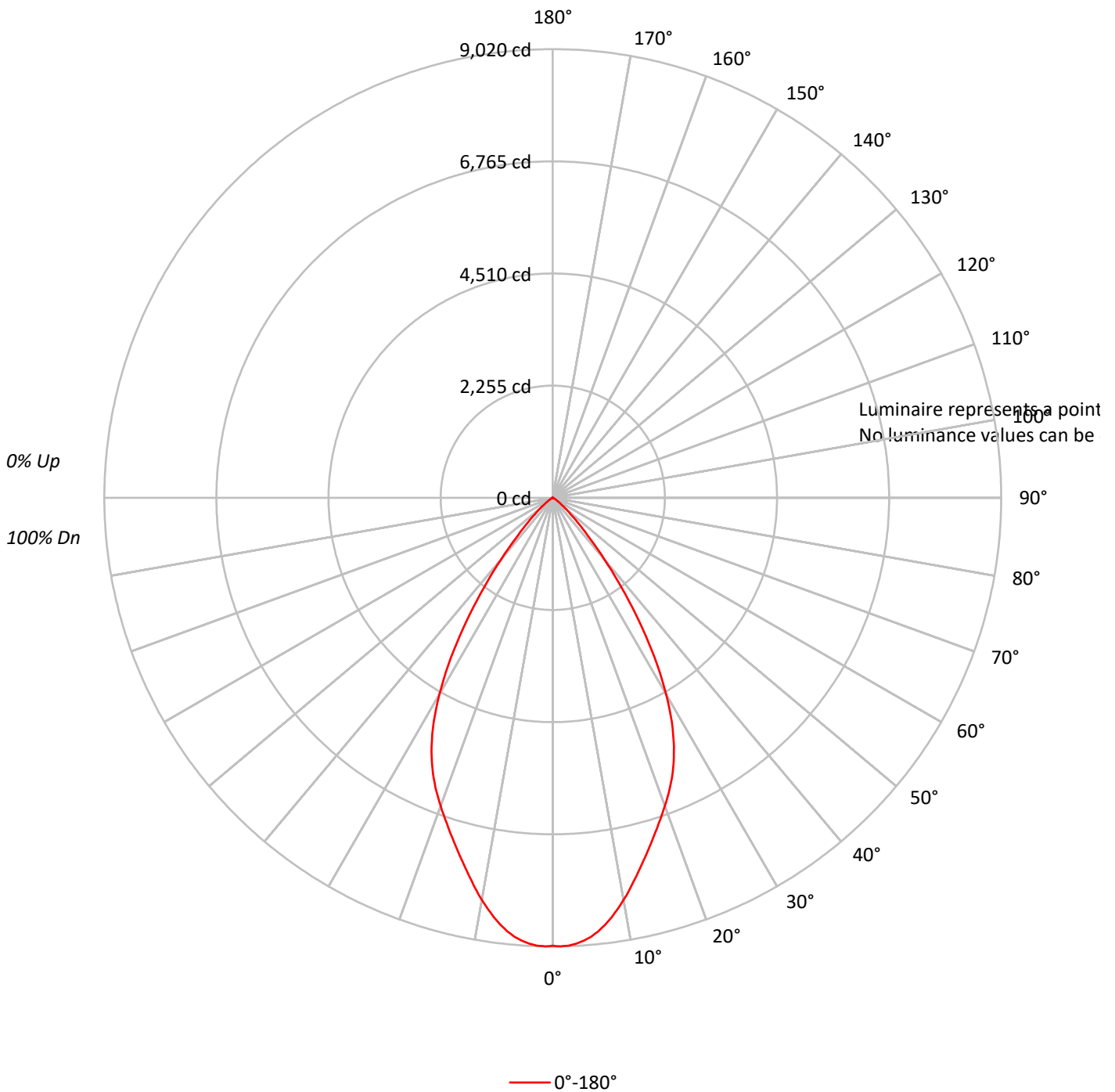
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	824.2	10.1
10°-20°	2066.7	25.3
20°-30°	2608.9	32.0
30°-40°	1876.7	23.0
40°-50°	621.2	7.6
50°-60°	135.3	1.7
60°-70°	27.8	0.3
70°-80°	2.7	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°	5499.9	67.4
0°-40°	7376.6	90.3
0°-60°	8133.1	99.6
0°-90°	8165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8165.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9007	
5°	8857	824
15°	7362	2067
25°	5762	2609
35°	3024	1877
45°	729	621
55°	132	135
65°	25	28
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9006.8
1°	9019.5
2°	9008.9
3°	8979.2
4°	8924.0
5°	8856.9
6°	8764.8
7°	8644.8
8°	8512.5
9°	8367.7
10°	8208.6
11°	8046.0
12°	7869.0
13°	7698.5
14°	7526.9
15°	7362.3
16°	7200.3
17°	7044.9
18°	6890.9
19°	6742.8
20°	6593.7
21°	6440.9
22°	6291.8
23°	6129.5
24°	5954.6
25°	5762.4
26°	5560.6
27°	5335.9
28°	5098.3
29°	4834.3
30°	4559.3
31°	4270.0
32°	3965.6
33°	3646.2
34°	3333.7
35°	3024.4
37.5°	2271.3
40°	1609.5
42.5°	1090.3
45°	729.1
47.5°	489.2
50°	326.9
52.5°	197.4
55°	132.4
57.5°	92.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	54.7
62.5°	37.4
65°	25.0
67.5°	22.4
70°	2.1
72.5°	5.2
75°	2.1
77.5°	2.1
80°	0.0
82.5°	5.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)