

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: P247333

Luminaire Tested: **LSR8B120D010 EC8B1209730 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247333
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 EC8B1209730 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: 8639.0 lumens
Efficiency: N/A
Efficacy: 73.0 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

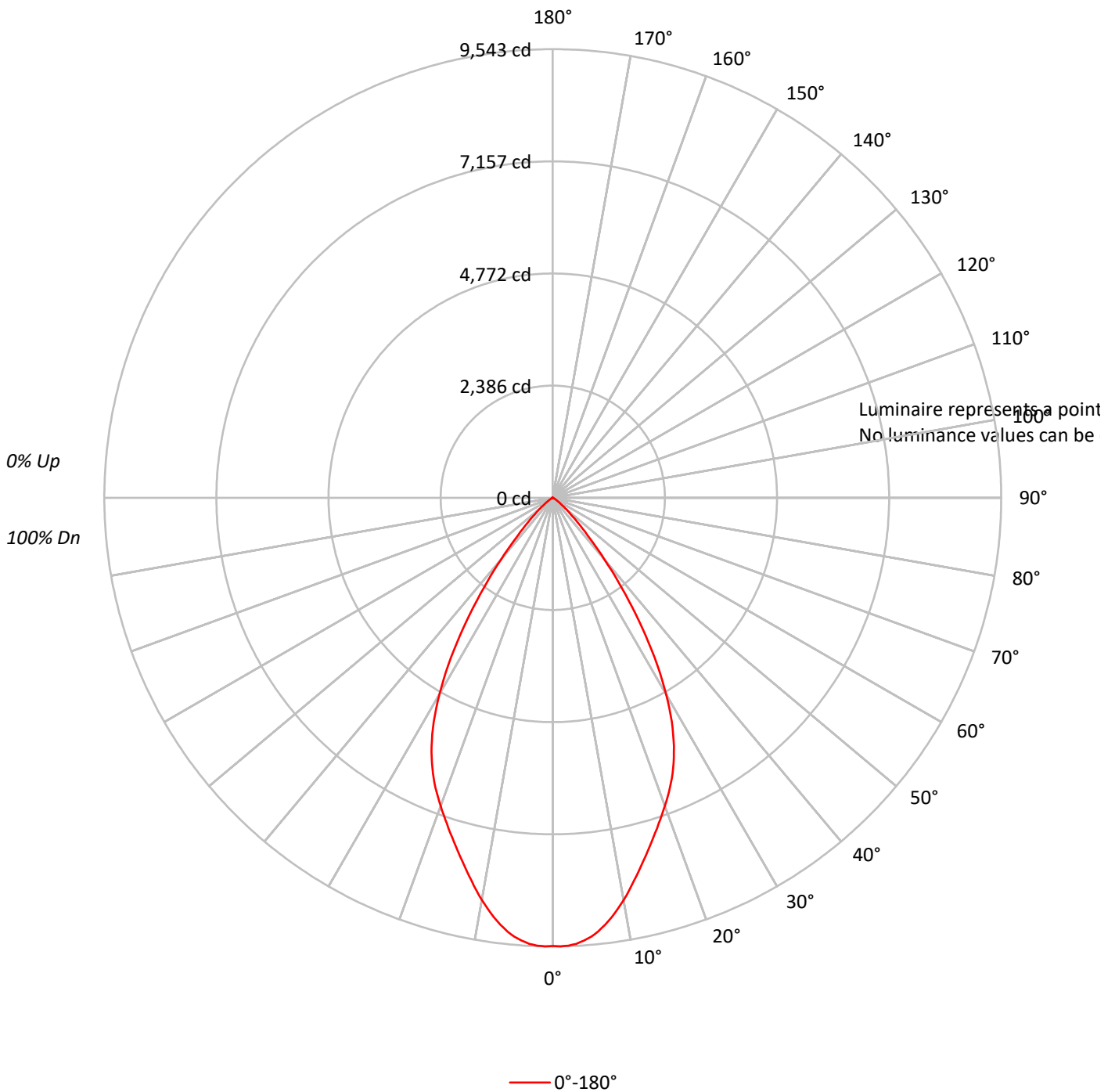
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	872.1	10.1
10°-20°	2186.7	25.3
20°-30°	2760.4	32.0
30°-40°	1985.7	23.0
40°-50°	657.2	7.6
50°-60°	143.1	1.7
60°-70°	29.4	0.3
70°-80°	2.9	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°	5819.1	67.4
0°-40°	7804.8	90.3
0°-60°	8605.2	99.6
0°-90°	8639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8639.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9530	
5°	9371	872
15°	7790	2187
25°	6097	2760
35°	3200	1986
45°	772	657
55°	140	143
65°	26	29
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9529.7
1°	9543.1
2°	9531.9
3°	9500.5
4°	9442.1
5°	9371.1
6°	9273.6
7°	9146.7
8°	9006.7
9°	8853.5
10°	8685.1
11°	8513.1
12°	8325.8
13°	8145.4
14°	7963.9
15°	7789.7
16°	7618.2
17°	7453.9
18°	7290.9
19°	7134.2
20°	6976.5
21°	6814.8
22°	6657.1
23°	6485.4
24°	6300.3
25°	6096.9
26°	5883.4
27°	5645.6
28°	5394.2
29°	5115.0
30°	4824.0
31°	4517.9
32°	4195.8
33°	3857.9
34°	3527.3
35°	3200.0
37.5°	2403.1
40°	1702.9
42.5°	1153.6
45°	771.5
47.5°	517.6
50°	345.9
52.5°	208.8
55°	140.0
57.5°	97.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	57.9
62.5°	39.6
65°	26.5
67.5°	23.7
70°	2.2
72.5°	5.5
75°	2.2
77.5°	2.2
80°	0.0
82.5°	5.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)