

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: P247289

Luminaire Tested: **LSR8B120D010 EC8B120827 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247289
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 EC8B120827 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11001.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

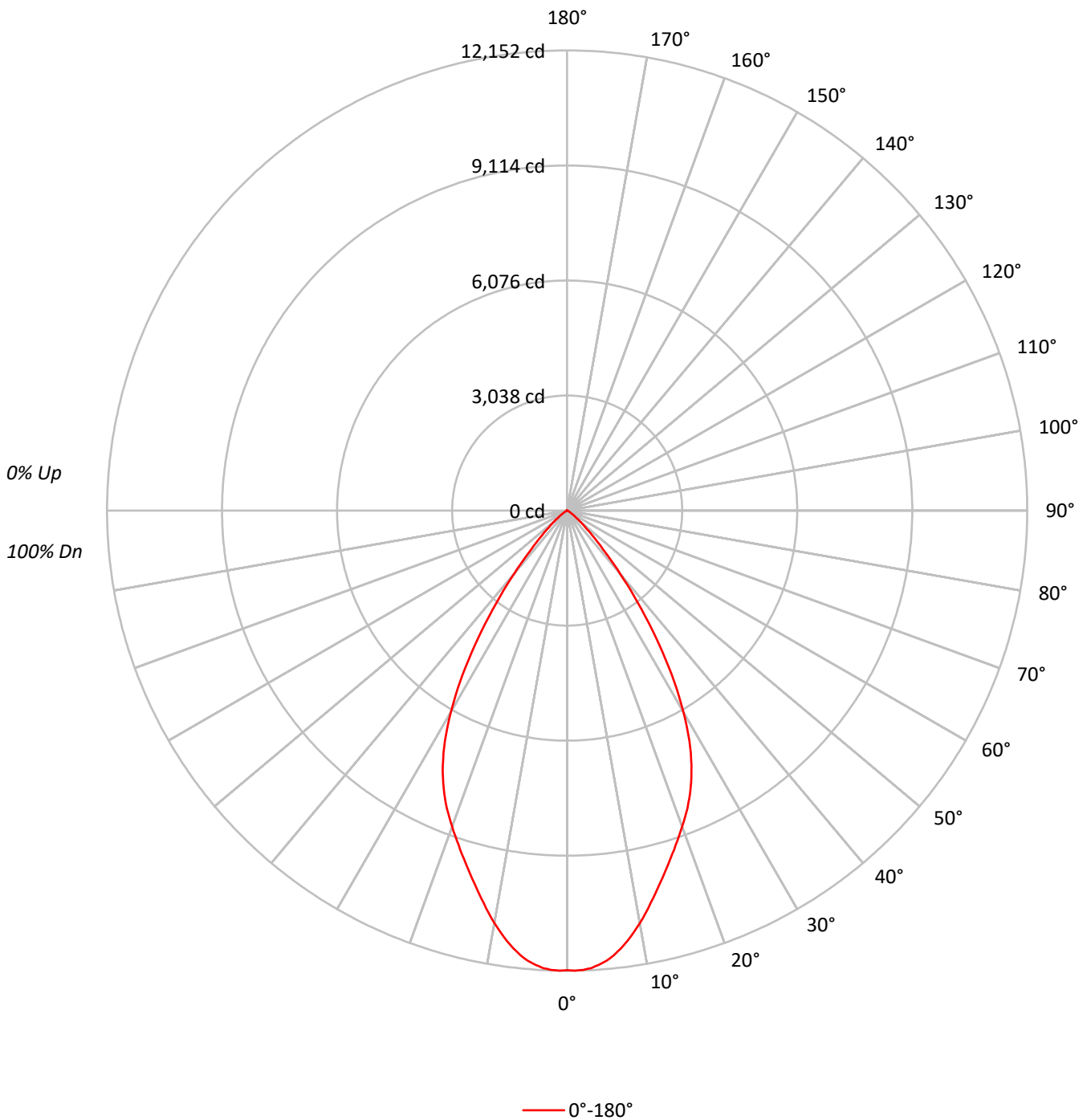
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	374205
5°	369385
10°	346301
15°	316671
20°	291528
25°	264160
30°	218728
35°	153396
40°	87291
45°	42842
50°	21127
55°	9586
60°	4545
65°	2459
70°	252
75°	334
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1110.5	10.1
10°-20°	2784.6	25.3
20°-30°	3515.1	32.0
30°-40°	2528.6	23.0
40°-50°	836.9	7.6
50°-60°	182.2	1.7
60°-70°	37.5	0.3
70°-80°	3.7	0.0
80°-90°	1.9	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°	7410.2	67.4
0°-40°	9938.8	90.3
0°-60°	10957.9	99.6
0°-90°	11001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11001.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12135	
5°	11933	###
15°	9920	2785
25°	7764	3515
35°	4075	2529
45°	982	837
55°	178	182
65°	34	37
75°	3	4
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12135.2
1°	12152.3
2°	12138.0
3°	12098.0
4°	12023.6
5°	11933.3
6°	11809.2
7°	11647.5
8°	11469.2
9°	11274.2
10°	11059.7
11°	10840.7
12°	10602.2
13°	10372.4
14°	10141.3
15°	9919.5
16°	9701.2
17°	9491.9
18°	9284.4
19°	9084.8
20°	8883.9
21°	8678.1
22°	8477.2
23°	8258.5
24°	8022.8
25°	7763.9
26°	7492.0
27°	7189.2
28°	6869.1
29°	6513.4
30°	6142.9
31°	5753.2
32°	5343.0
33°	4912.6
34°	4491.7
35°	4074.9
37.5°	3060.1
40°	2168.5
42.5°	1469.1
45°	982.4
47.5°	659.1
50°	440.4
52.5°	265.9
55°	178.3
57.5°	124.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	73.7
62.5°	50.4
65°	33.7
67.5°	30.2
70°	2.8
72.5°	7.0
75°	2.8
77.5°	2.8
80°	0.0
82.5°	7.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)