

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: P247301

Luminaire Tested: **LSR8B120D010 EC8B120840 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247301
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 EC8B120840 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11650.0 lumens
Efficiency: N/A
Efficacy: 98.5 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

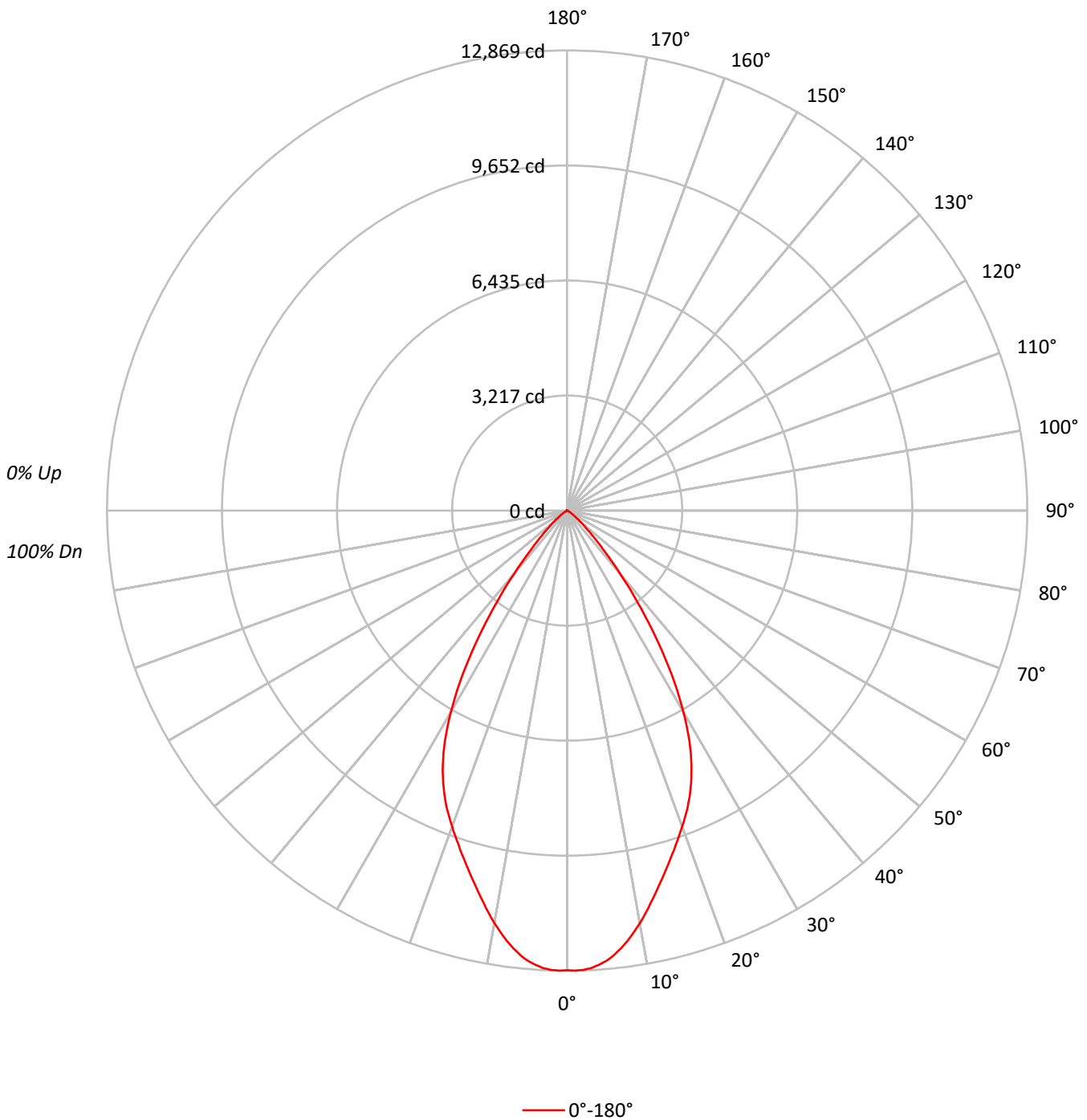
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	396281
5°	391176
10°	366729
15°	335353
20°	308727
25°	279743
30°	231632
35°	162446
40°	92439
45°	45367
50°	22375
55°	10156
60°	4810
65°	2605
70°	261
75°	346
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1176.0	10.1
10°-20°	2948.8	25.3
20°-30°	3722.5	32.0
30°-40°	2677.8	23.0
40°-50°	886.3	7.6
50°-60°	193.0	1.7
60°-70°	39.7	0.3
70°-80°	3.9	0.0
80°-90°	2.0	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°	7847.3	67.4
0°-40°	10525.1	90.3
0°-60°	11604.4	99.6
0°-90°	11650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11650.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12851	
5°	12637	###
15°	10505	2949
25°	8222	3722
35°	4315	2678
45°	1040	886
55°	189	193
65°	36	40
75°	3	4
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12851.1
1°	12869.2
2°	12854.1
3°	12811.8
4°	12733.0
5°	12637.3
6°	12505.8
7°	12334.7
8°	12145.8
9°	11939.3
10°	11712.1
11°	11480.2
12°	11227.7
13°	10984.3
14°	10739.5
15°	10504.7
16°	10273.5
17°	10051.9
18°	9832.1
19°	9620.8
20°	9408.0
21°	9190.1
22°	8977.3
23°	8745.7
24°	8496.1
25°	8221.9
26°	7934.0
27°	7613.4
28°	7274.3
29°	6897.7
30°	6505.3
31°	6092.6
32°	5658.2
33°	5202.5
34°	4756.6
35°	4315.3
37.5°	3240.7
40°	2296.4
42.5°	1555.7
45°	1040.3
47.5°	698.0
50°	466.4
52.5°	281.6
55°	188.9
57.5°	131.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	78.0
62.5°	53.4
65°	35.7
67.5°	32.0
70°	2.9
72.5°	7.4
75°	2.9
77.5°	2.9
80°	0.0
82.5°	7.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)