

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: P247292

Luminaire Tested: **LSR8B100D010 EC8B100830 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247292
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: LSR8B100D010 EC8B100830 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9948.0 lumens
Efficiency: N/A
Efficacy: 93.6 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

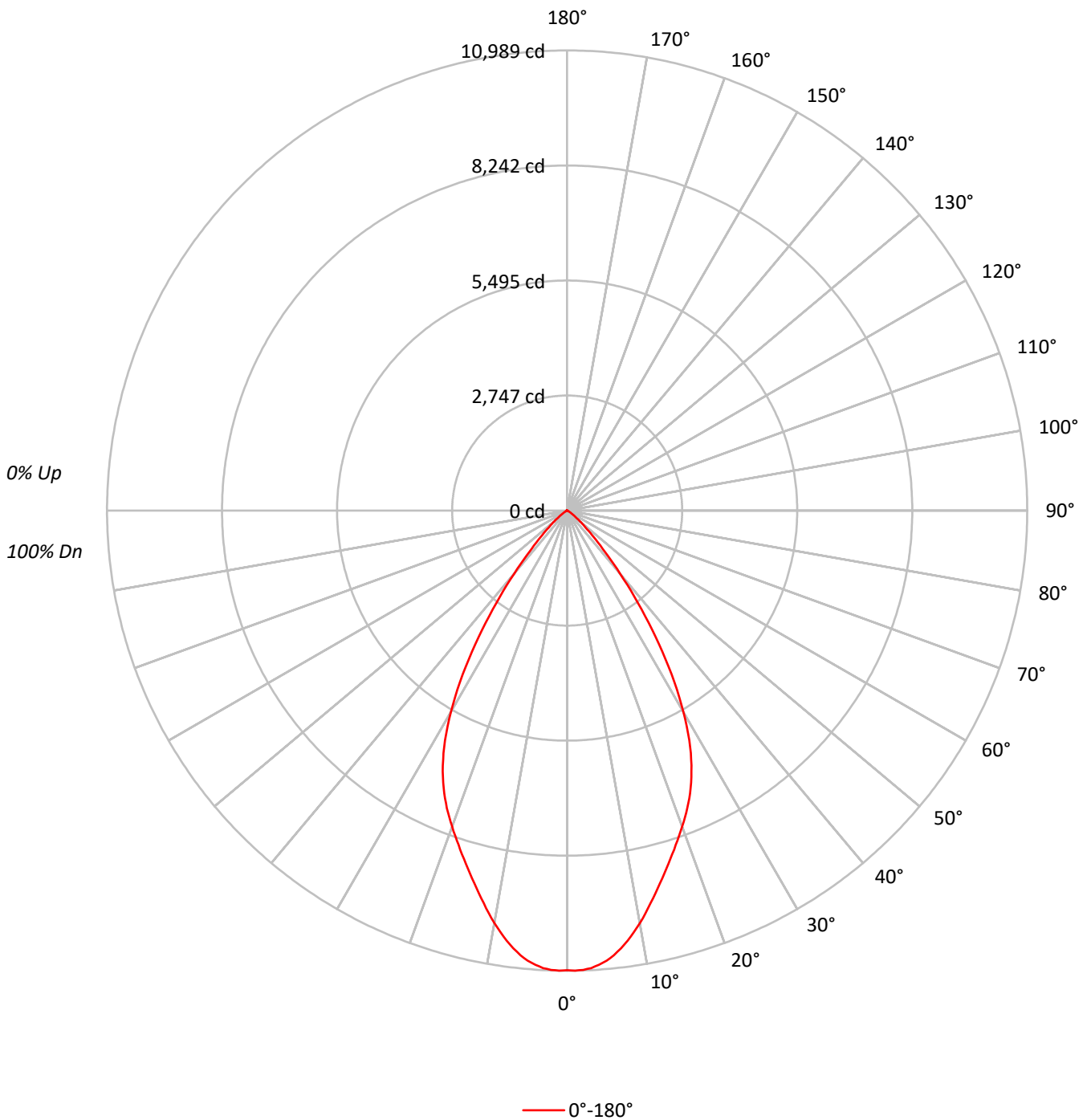
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	338388
5°	334026
10°	313155
15°	286359
20°	263622
25°	238873
30°	197792
35°	138711
40°	78934
45°	38742
50°	19108
55°	8672
60°	4107
65°	2225
70°	225
75°	298
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1004.2	10.1
10°-20°	2518.0	25.3
20°-30°	3178.7	32.0
30°-40°	2286.5	23.0
40°-50°	756.8	7.6
50°-60°	164.8	1.7
60°-70°	33.9	0.3
70°-80°	3.3	0.0
80°-90°	1.7	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°	6700.9	67.4
0°-40°	8987.4	90.3
0°-60°	9909.1	99.6
0°-90°	9948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9948.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10974	
5°	10791	###
15°	8970	2518
25°	7021	3179
35°	3685	2287
45°	888	757
55°	161	165
65°	30	34
75°	2	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10973.7
1°	10989.1
2°	10976.2
3°	10940.0
4°	10872.8
5°	10791.0
6°	10678.8
7°	10532.6
8°	10371.4
9°	10195.0
10°	10001.1
11°	9803.0
12°	9587.4
13°	9379.6
14°	9170.6
15°	8970.0
16°	8772.6
17°	8583.3
18°	8395.7
19°	8215.2
20°	8033.5
21°	7847.4
22°	7665.8
23°	7468.0
24°	7254.9
25°	7020.7
26°	6774.9
27°	6501.1
28°	6211.6
29°	5890.0
30°	5554.9
31°	5202.5
32°	4831.6
33°	4442.4
34°	4061.7
35°	3684.8
37.5°	2767.2
40°	1960.9
42.5°	1328.4
45°	888.4
47.5°	596.0
50°	398.3
52.5°	240.5
55°	161.3
57.5°	112.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	66.6
62.5°	45.6
65°	30.5
67.5°	27.3
70°	2.5
72.5°	6.3
75°	2.5
77.5°	2.5
80°	0.0
82.5°	6.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)