

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: P247296

Luminaire Tested: **LSR8B100D010 EC8B100835 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247296
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 EC8B100835 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10344.0 lumens
Efficiency: N/A
Efficacy: 97.3 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

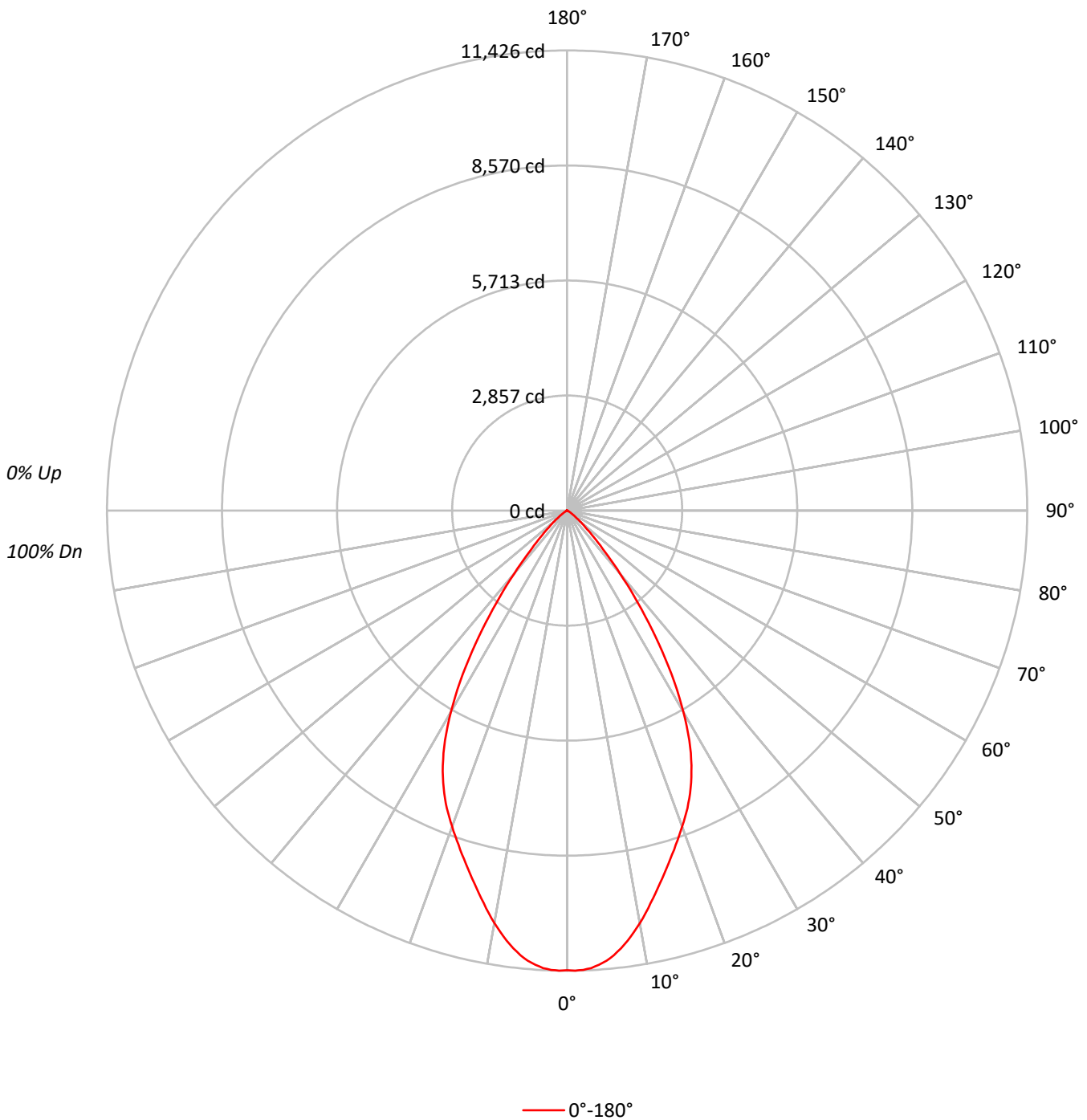
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	351858
5°	347324
10°	325620
15°	297759
20°	274116
25°	248383
30°	205664
35°	144234
40°	82078
45°	40282
50°	19866
55°	9016
60°	4274
65°	2313
70°	234
75°	310
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.2	10.1
10°-20°	2618.3	25.3
20°-30°	3305.2	32.0
30°-40°	2377.6	23.0
40°-50°	786.9	7.6
50°-60°	171.4	1.7
60°-70°	35.2	0.3
70°-80°	3.4	0.0
80°-90°	1.8	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°	6967.6	67.4
0°-40°	9345.2	90.3
0°-60°	10303.5	99.6
0°-90°	10344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11410	
5°	11221	###
15°	9327	2618
25°	7300	3305
35°	3832	2378
45°	924	787
55°	168	171
65°	32	35
75°	3	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11410.5
1°	11426.5
2°	11413.1
3°	11375.5
4°	11305.6
5°	11220.6
6°	11103.9
7°	10951.9
8°	10784.2
9°	10600.9
10°	10399.2
11°	10193.3
12°	9969.0
13°	9753.0
14°	9535.6
15°	9327.1
16°	9121.8
17°	8925.0
18°	8729.9
19°	8542.3
20°	8353.3
21°	8159.8
22°	7970.9
23°	7765.3
24°	7543.7
25°	7300.2
26°	7044.6
27°	6759.9
28°	6458.8
29°	6124.4
30°	5776.0
31°	5409.6
32°	5023.9
33°	4619.2
34°	4223.4
35°	3831.5
37.5°	2877.4
40°	2039.0
42.5°	1381.3
45°	923.7
47.5°	619.7
50°	414.1
52.5°	250.1
55°	167.7
57.5°	116.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	69.3
62.5°	47.4
65°	31.7
67.5°	28.4
70°	2.6
72.5°	6.5
75°	2.6
77.5°	2.6
80°	0.0
82.5°	6.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)