

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: P247315

Luminaire Tested: **LSR8B90D010 EC8B90935 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247315
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: LSR8B90D010 EC8B90935 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7645.9 lumens
Efficiency: N/A
Efficacy: 88.8 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

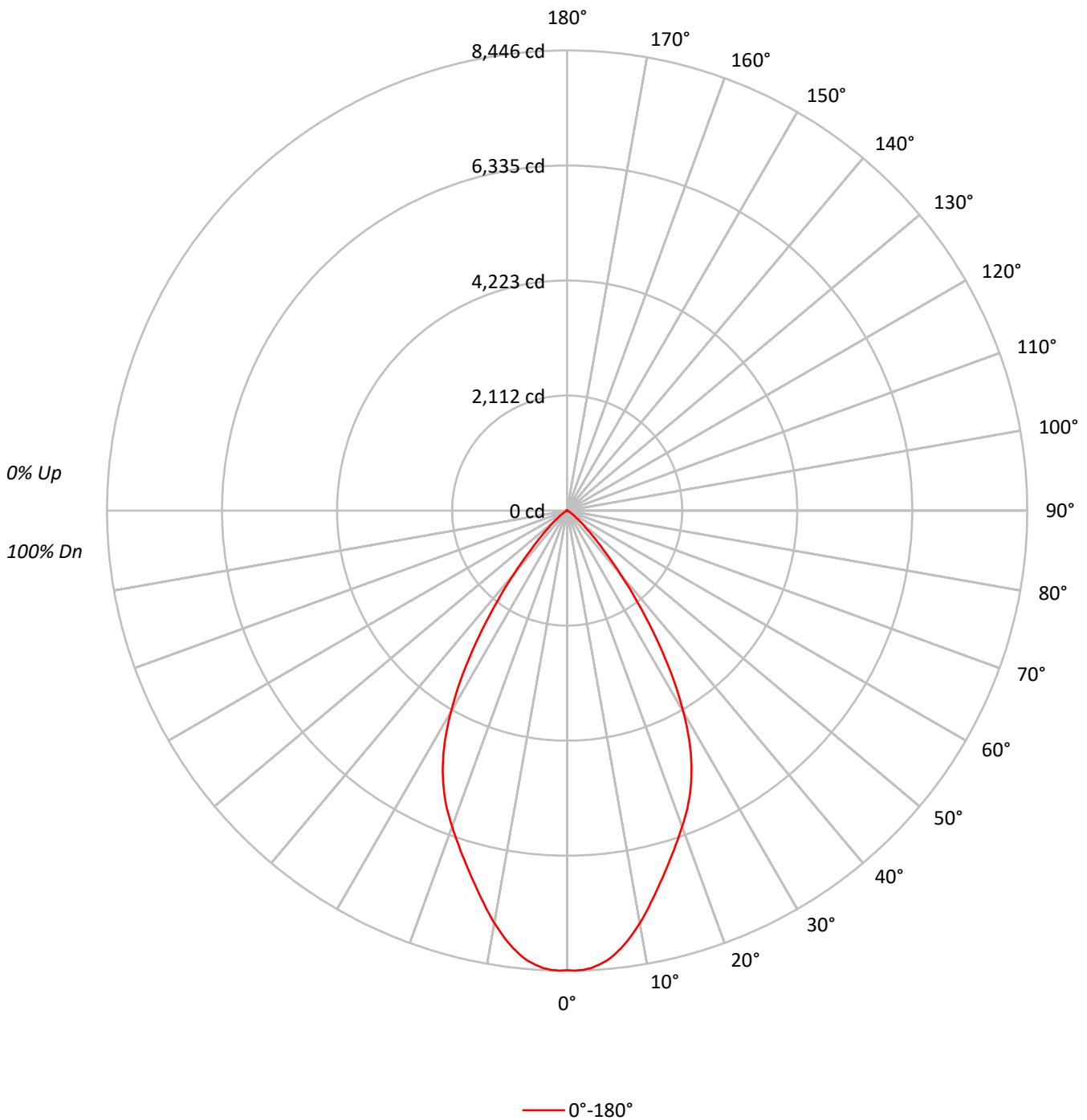
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):

	0°
0°	260083
5°	256730
10°	240689
15°	220094
20°	202621
25°	183597
30°	152023
35°	106612
40°	60671
45°	29776
50°	14684
55°	6661
60°	3158
65°	1707
70°	171
75°	226
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	771.8	10.1
10°-20°	1935.3	25.3
20°-30°	2443.1	32.0
30°-40°	1757.4	23.0
40°-50°	581.7	7.6
50°-60°	126.7	1.7
60°-70°	26.0	0.3
70°-80°	2.5	0.0
80°-90°	1.3	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°	5150.3	67.4
0°-40°	6907.7	90.3
0°-60°	7616.1	99.6
0°-90°	7645.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7645.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8434	
5°	8294	772
15°	6894	1935
25°	5396	2443
35°	2832	1757
45°	683	582
55°	124	127
65°	23	26
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8434.3
1°	8446.2
2°	8436.3
3°	8408.5
4°	8356.8
5°	8293.9
6°	8207.7
7°	8095.3
8°	7971.4
9°	7835.9
10°	7686.8
11°	7534.6
12°	7368.8
13°	7209.1
14°	7048.5
15°	6894.3
16°	6742.6
17°	6597.1
18°	6452.9
19°	6314.2
20°	6174.6
21°	6031.5
22°	5891.9
23°	5739.9
24°	5576.1
25°	5396.1
26°	5207.2
27°	4996.7
28°	4774.2
29°	4527.0
30°	4269.5
31°	3998.6
32°	3713.5
33°	3414.4
34°	3121.8
35°	2832.1
37.5°	2126.9
40°	1507.2
42.5°	1021.0
45°	682.8
47.5°	458.1
50°	306.1
52.5°	184.8
55°	123.9
57.5°	86.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	51.2
62.5°	35.0
65°	23.4
67.5°	21.0
70°	1.9
72.5°	4.8
75°	1.9
77.5°	1.9
80°	0.0
82.5°	4.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)