

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: P244434

Luminaire Tested: **LSR8B10D010 EC8B109727 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B109727 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 772.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

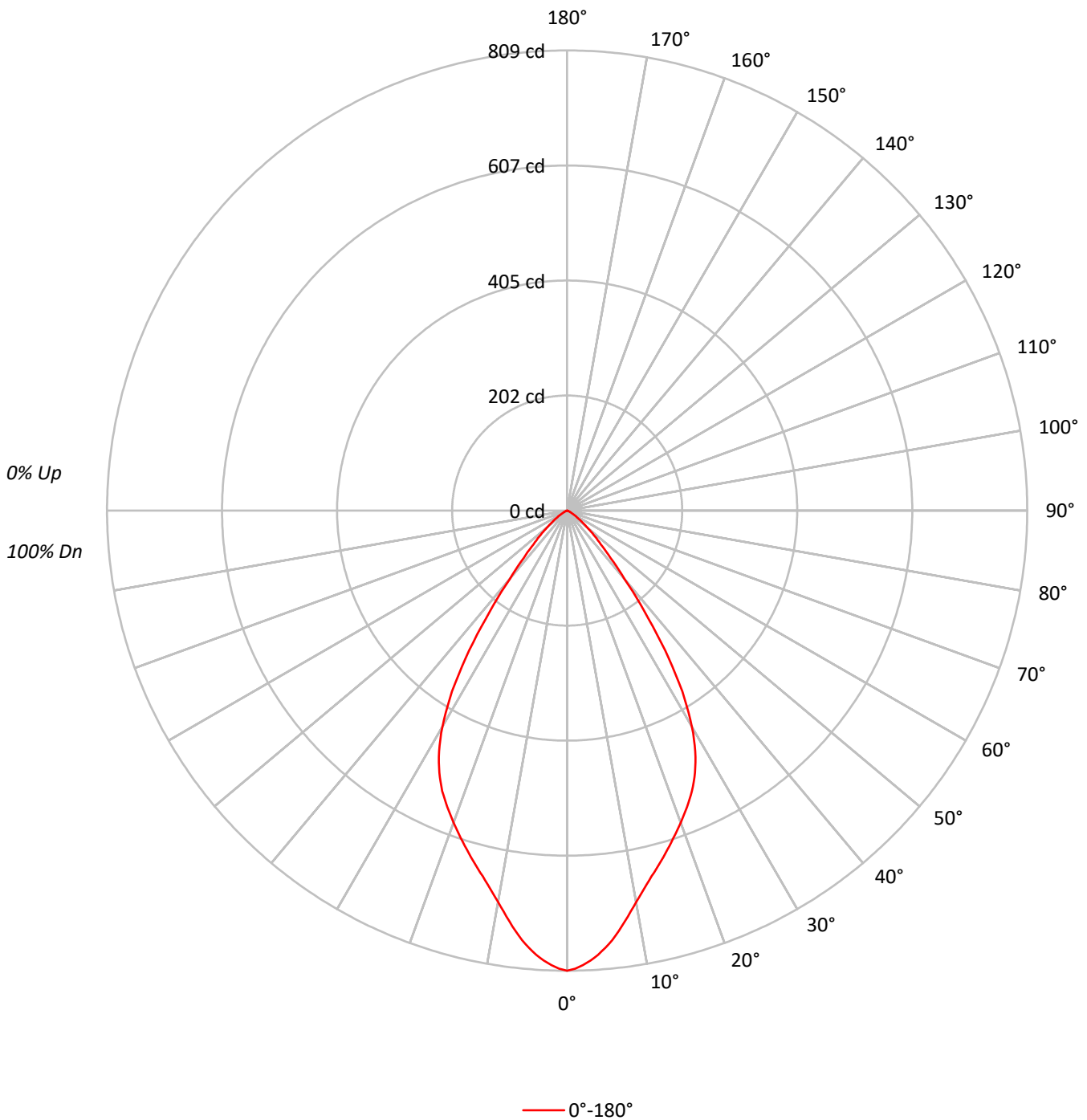
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24947
5°	23887
10°	21887
15°	20368
20°	19158
25°	17924
30°	15631
35°	11297
40°	6332
45°	3646
50°	2231
55°	1269
60°	660
65°	336
70°	180
75°	107
80°	71
85°	71



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	9.2
10°-20°	179.3	23.2
20°-30°	239.3	31.0
30°-40°	184.5	23.9
40°-50°	68.8	8.9
50°-60°	22.5	2.9
60°-70°	5.2	0.7
70°-80°	1.1	0.1
80°-90°	0.2	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°	489.9	63.5
0°-40°	674.4	87.4
0°-60°	765.6	99.2
0°-90°	772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	809	
5°	772	71
15°	638	179
25°	527	239
35°	300	184
45°	84	69
55°	24	22
65°	5	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	809.0
1°	805.4
2°	799.5
3°	792.0
4°	782.8
5°	771.7
6°	759.2
7°	744.8
8°	729.5
9°	713.6
10°	699.0
11°	685.0
12°	671.9
13°	659.9
14°	648.9
15°	638.0
16°	626.9
17°	616.2
18°	605.1
19°	594.3
20°	583.8
21°	572.9
22°	562.4
23°	551.3
24°	539.7
25°	526.8
26°	512.6
27°	496.9
28°	479.5
29°	460.2
30°	439.0
32.5°	376.8
35°	300.1
37.5°	222.3
40°	157.3
42.5°	112.7
45°	83.6
47.5°	62.9
50°	46.5
52.5°	33.2
55°	23.6
57.5°	16.2
60°	10.7
62.5°	7.0
65°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.1
70°	2.0
72.5°	1.3
75°	0.9
77.5°	0.6
80°	0.4
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)