

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 EC8B10927 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 EC8B10927 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: 868.5 lumens
Efficiency: N/A
Efficacy: 85.2 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

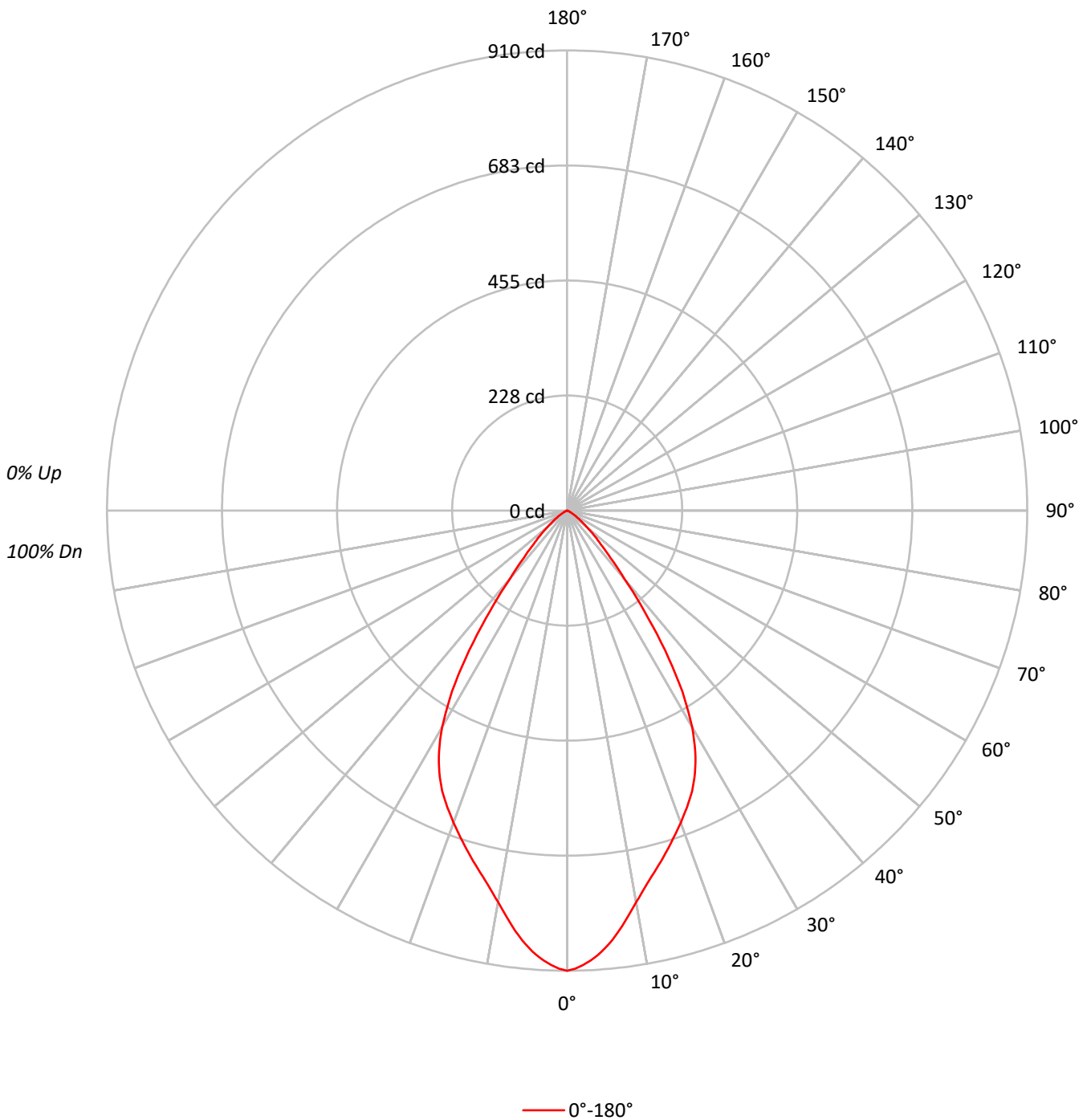
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28064
5°	26874
10°	24624
15°	22915
20°	21553
25°	20163
30°	17586
35°	12709
40°	7125
45°	4099
50°	2509
55°	1430
60°	740
65°	379
70°	198
75°	119
80°	71
85°	71



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	9.2
10°-20°	201.8	23.2
20°-30°	269.2	31.0
30°-40°	207.5	23.9
40°-50°	77.4	8.9
50°-60°	25.3	2.9
60°-70°	5.8	0.7
70°-80°	1.2	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°	551.1	63.5
0°-40°	758.7	87.4
0°-60°	861.4	99.2
0°-90°	868.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	910	
5°	868	80
15°	718	202
25°	593	269
35°	338	208
45°	94	77
55°	27	25
65°	5	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	910.1
1°	906.1
2°	899.4
3°	891.0
4°	880.6
5°	868.2
6°	854.1
7°	837.9
8°	820.7
9°	802.8
10°	786.4
11°	770.6
12°	755.9
13°	742.4
14°	730.0
15°	717.8
16°	705.3
17°	693.2
18°	680.7
19°	668.6
20°	656.8
21°	644.5
22°	632.7
23°	620.2
24°	607.2
25°	592.6
26°	576.7
27°	559.0
28°	539.4
29°	517.7
30°	493.9
32.5°	423.9
35°	337.6
37.5°	250.1
40°	177.0
42.5°	126.8
45°	94.0
47.5°	70.8
50°	52.3
52.5°	37.4
55°	26.6
57.5°	18.2
60°	12.0
62.5°	7.9
65°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.5
70°	2.2
72.5°	1.5
75°	1.0
77.5°	0.7
80°	0.4
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)