

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: P244386

Luminaire Tested: **LSR8B10D010 EC8B10835 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244386
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 EC8B10835 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1108.0 lumens
Efficiency: N/A
Efficacy: 108.6 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

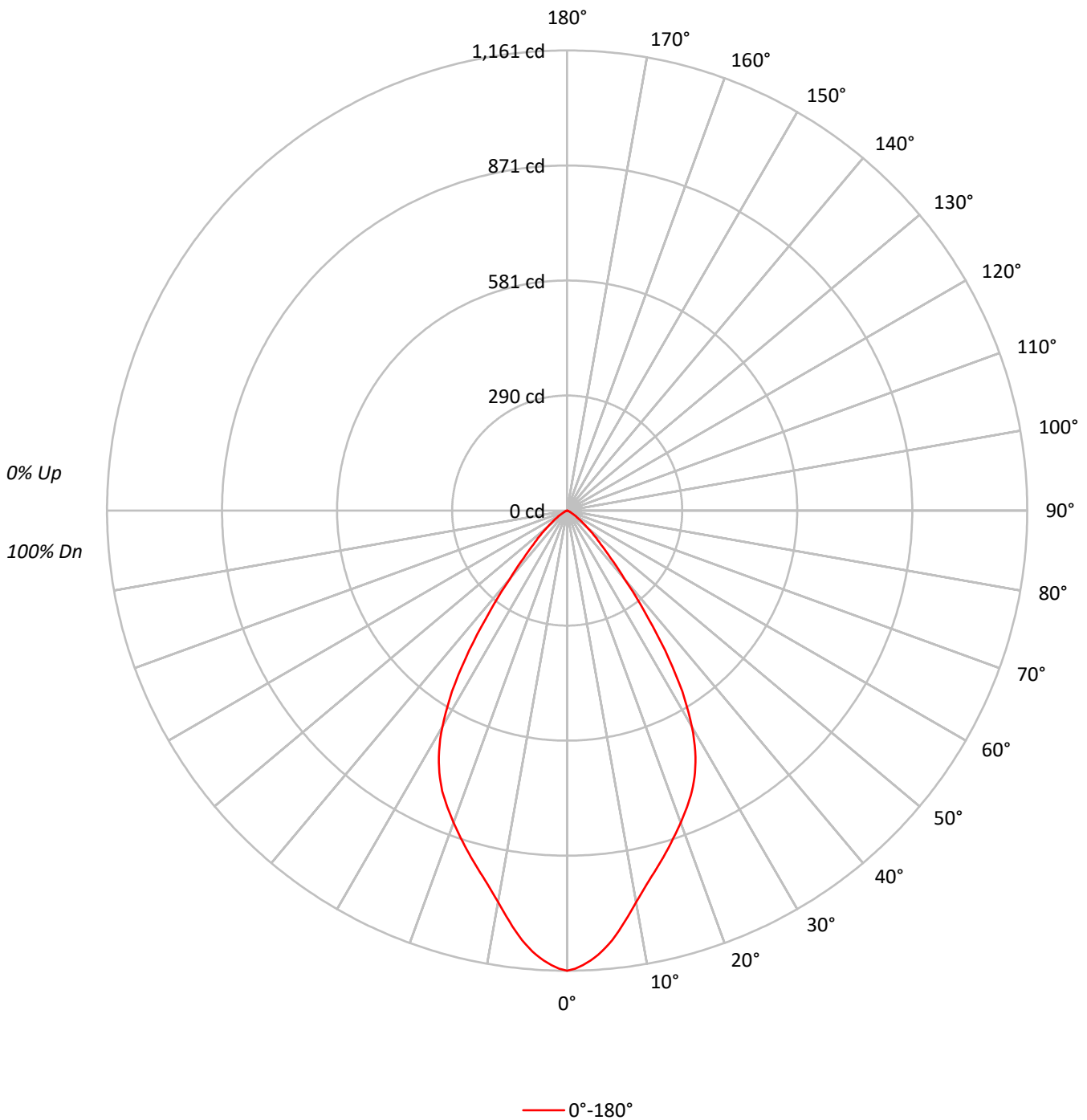
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244386

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBM0H

Luminous Intensity Polar Plot





TEST NUMBER: P244386

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBM0H

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°	35801
5°	34285
10°	31415
15°	29230
20°	27493
25°	25722
30°	22432
35°	16213
40°	9089
45°	5229
50°	3200
55°	1823
60°	950
65°	482
70°	261
75°	155
80°	89
85°	106



TEST NUMBER: P244386

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBM0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	9.2
10°-20°	257.4	23.2
20°-30°	343.5	31.0
30°-40°	264.7	23.9
40°-50°	98.7	8.9
50°-60°	32.3	2.9
60°-70°	7.5	0.7
70°-80°	1.5	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°	703.1	63.5
0°-40°	967.9	87.3
0°-60°	1098.8	99.2
0°-90°	1108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1161	
5°	1108	102
15°	916	257
25°	756	343
35°	431	265
45°	120	99
55°	34	32
65°	7	7
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P244386

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBM0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1161.0
1°	1156.0
2°	1147.5
3°	1136.7
4°	1123.4
5°	1107.6
6°	1089.6
7°	1068.9
8°	1046.9
9°	1024.2
10°	1003.3
11°	983.1
12°	964.4
13°	947.1
14°	931.3
15°	915.6
16°	899.8
17°	884.4
18°	868.5
19°	852.9
20°	837.8
21°	822.2
22°	807.1
23°	791.2
24°	774.6
25°	756.0
26°	735.6
27°	713.1
28°	688.3
29°	660.5
30°	630.0
32.5°	540.8
35°	430.7
37.5°	319.0
40°	225.8
42.5°	161.7
45°	119.9
47.5°	90.3
50°	66.7
52.5°	47.6
55°	33.9
57.5°	23.3
60°	15.4
62.5°	10.1
65°	6.6



TEST NUMBER: P244386

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBM0H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.5
70°	2.9
72.5°	1.9
75°	1.3
77.5°	0.8
80°	0.5
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)