

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: P246546

Luminaire Tested: **LSR8B10D010 EC8B10835 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10835 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1156.0 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

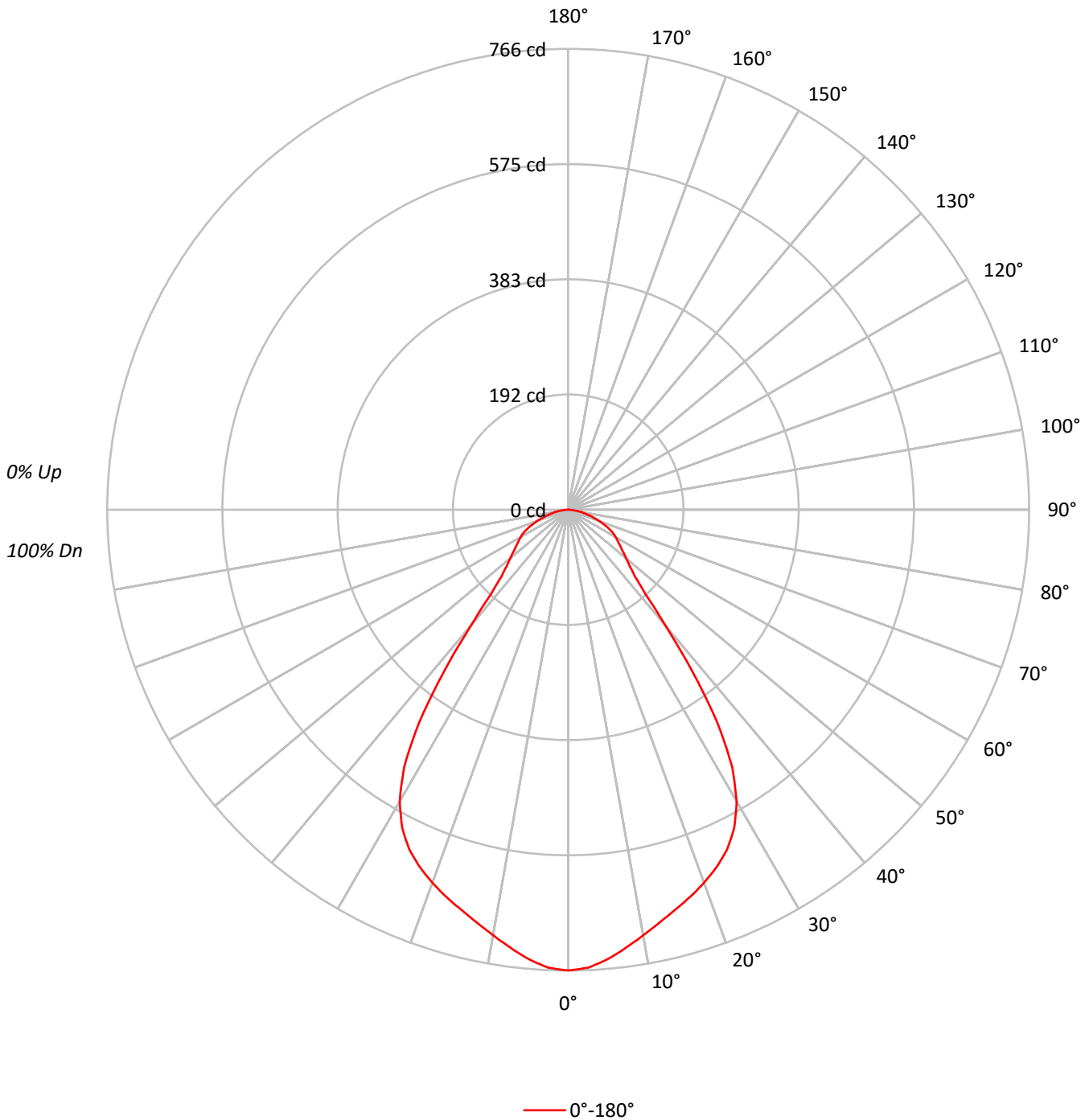
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246546

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246546

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBW0MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23618
5°	23222
10°	22491
15°	21970
20°	21658
25°	21231
30°	19936
35°	16274
40°	10080
45°	6829
50°	6016
55°	5677
60°	5631
65°	5458
70°	4896
75°	4241
80°	3587
85°	2866



TEST NUMBER: P246546

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	6.1
10°-20°	194.4	16.8
20°-30°	285.1	24.7
30°-40°	260.6	22.5
40°-50°	129.0	11.2
50°-60°	95.4	8.3
60°-70°	73.3	6.3
70°-80°	38.2	3.3
80°-90°	9.5	0.8
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°	550.0	47.6
0°-40°	810.6	70.1
0°-60°	1035.0	89.5
0°-90°	1156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	766	
5°	750	71
15°	688	194
25°	624	285
35°	432	261
45°	157	129
55°	106	95
65°	75	73
75°	36	38
85°	8	10
90°	0	



TEST NUMBER: P246546

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBW0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	765.9
2.5°	761.9
5°	750.2
7.5°	734.4
10°	718.3
12.5°	702.5
15°	688.2
17.5°	674.6
20°	660.0
22.5°	643.5
25°	624.0
27.5°	597.3
30°	559.9
32.5°	507.4
35°	432.3
37.5°	339.2
40°	250.4
42.5°	189.6
45°	156.6
47.5°	138.6
50°	125.4
52.5°	114.8
55°	105.6
57.5°	97.9
60°	91.3
62.5°	84.3
65°	74.8
67.5°	64.5
70°	54.3
72.5°	44.7
75°	35.6
77.5°	27.5
80°	20.2
82.5°	13.9
85°	8.1
87.5°	2.9
90°	0.0

(END OF REPORT)