

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: P246696

Luminaire Tested: **LSR8B10D010 EC8B10840 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10840 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1124.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

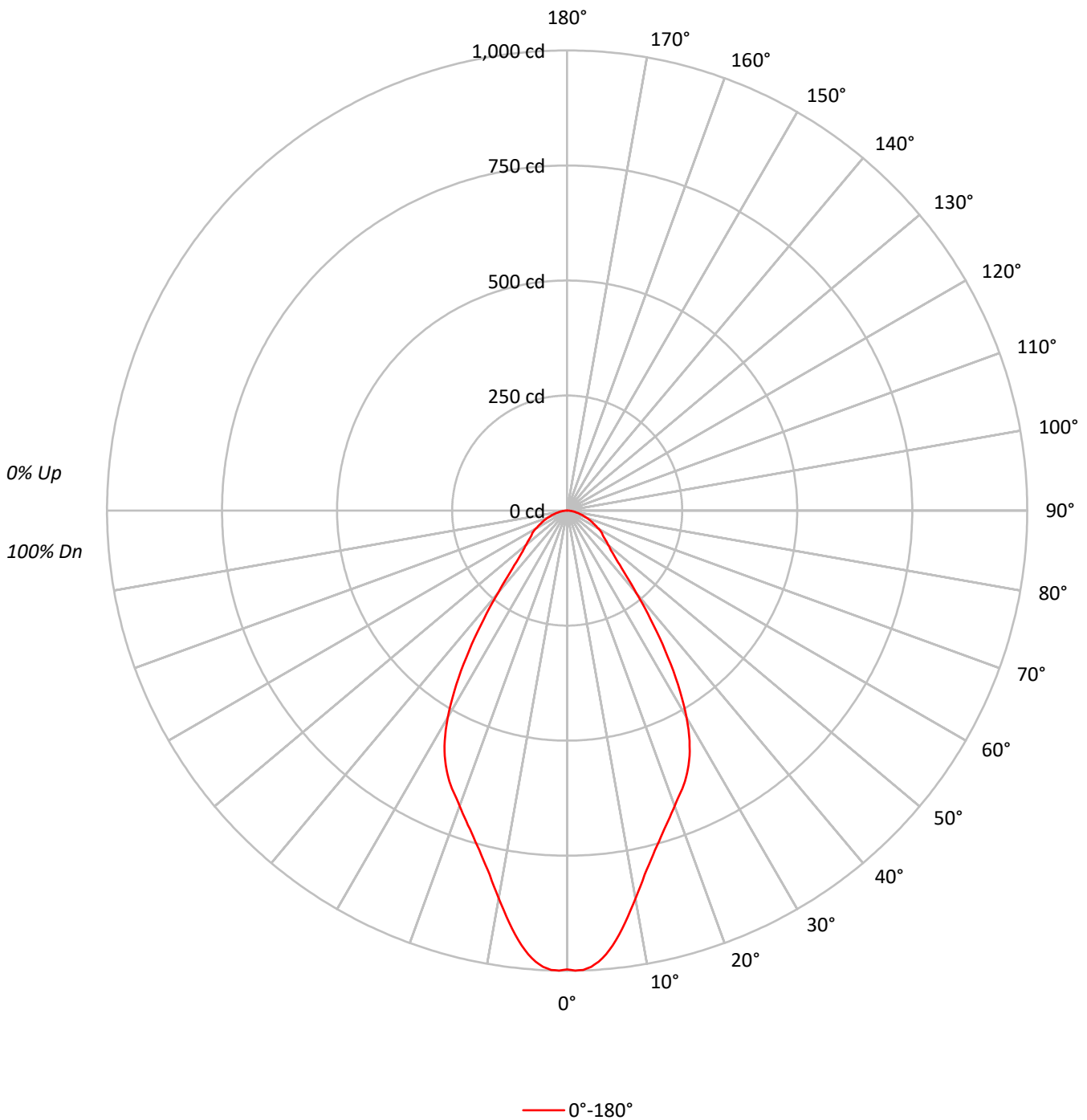
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246696

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBM0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246696

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBM0MW

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30747
5°	29967
10°	26791
15°	24074
20°	22419
25°	21122
30°	18466
35°	13992
40°	9399
45°	6624
50°	5618
55°	5123
60°	4854
65°	4363
70°	3931
75°	3539
80°	3108
85°	3007



TEST NUMBER: P246696

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBM0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	7.9
10°-20°	212.7	18.9
20°-30°	281.8	25.1
30°-40°	231.1	20.6
40°-50°	123.1	11.0
50°-60°	86.6	7.7
60°-70°	59.7	5.3
70°-80°	31.1	2.8
80°-90°	9.2	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°	583.1	51.9
0°-40°	814.2	72.4
0°-60°	1023.9	91.1
0°-90°	1124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	997	
5°	968	89
15°	754	213
25°	621	282
35°	372	231
45°	152	123
55°	95	87
65°	60	60
75°	30	31
85°	8	9
90°	0	



TEST NUMBER: P246696

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBM0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	997.1
1°	999.9
2°	998.7
3°	992.8
4°	982.7
5°	968.1
6°	949.9
7°	928.1
8°	904.6
9°	879.7
10°	855.6
11°	832.5
12°	809.1
13°	789.5
14°	771.0
15°	754.1
16°	738.2
17°	723.5
18°	709.9
19°	696.3
20°	683.2
21°	670.5
22°	659.4
23°	648.1
24°	634.8
25°	620.8
26°	604.9
27°	586.9
28°	566.7
29°	544.4
30°	518.6
31°	491.7
32°	463.4
33°	433.2
34°	402.8
35°	371.7
37.5°	297.8
40°	233.5
42.5°	184.4
45°	151.9
47.5°	130.4
50°	117.1
52.5°	105.4
55°	95.3
57.5°	89.1



TEST NUMBER: P246696

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBM0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	78.7
62.5°	68.6
65°	59.8
67.5°	52.0
70°	43.6
72.5°	36.4
75°	29.7
77.5°	21.4
80°	17.5
82.5°	12.7
85°	8.5
87.5°	3.9
90°	0.0

(END OF REPORT)