

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: P250642

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150835 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 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: 14535.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

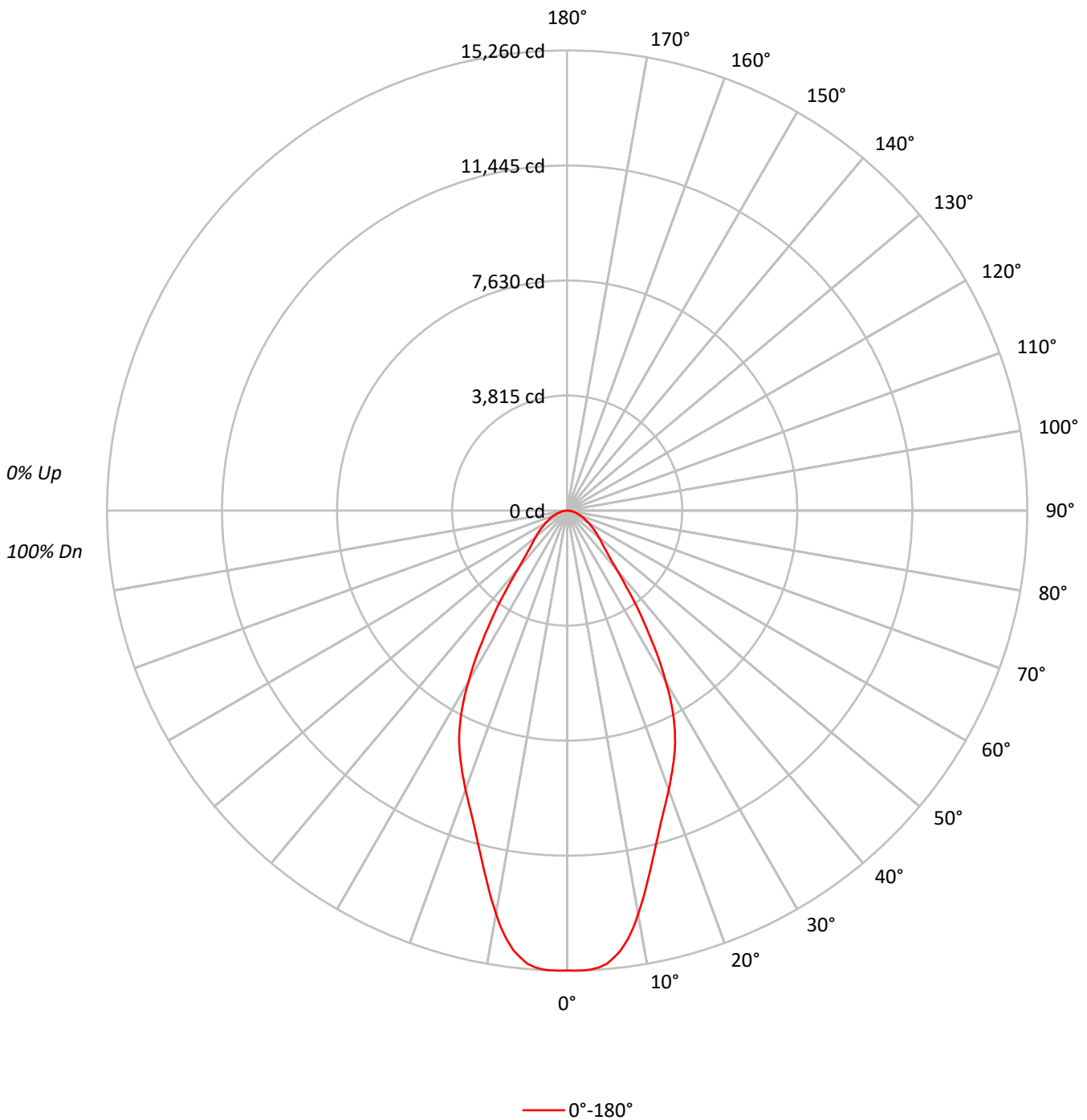
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250642

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBN0MW

Luminous Intensity Polar Plot





TEST NUMBER: P250642

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBN0MW

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	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	470260
5°	466887
10°	425380
15°	364695
20°	323123
25°	288317
30°	232857
35°	161682
40°	102503
45°	76050
50°	64974
55°	57105
60°	50911
65°	45683
70°	39309
75°	35921
80°	33758
85°	29543



TEST NUMBER: P250642

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBN0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1392.1	9.6
10°-20°	3212.2	22.1
20°-30°	3828.4	26.3
30°-40°	2702.4	18.6
40°-50°	1395.6	9.6
50°-60°	957.7	6.6
60°-70°	622.6	4.3
70°-80°	325.9	2.2
80°-90°	99.0	0.7
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°	8432.7	58.0
0°-40°	11135.1	76.6
0°-60°	13488.4	92.8
0°-90°	14535.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14535.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15250	
5°	15083	###
15°	11424	3212
25°	8474	3828
35°	4295	2702
45°	1744	1396
55°	1062	958
65°	626	623
75°	302	326
85°	84	99
90°	0	



TEST NUMBER: P250642

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBN0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	15250.2
1°	15259.5
2°	15259.5
3°	15236.3
4°	15185.3
5°	15083.2
6°	14902.4
7°	14679.7
8°	14373.5
9°	14002.6
10°	13585.2
11°	13144.5
12°	12685.2
13°	12244.7
14°	11818.0
15°	11423.8
16°	11057.3
17°	10718.8
18°	10412.6
19°	10125.0
20°	9846.7
21°	9573.1
22°	9304.1
23°	9035.1
24°	8761.5
25°	8473.9
26°	8149.1
27°	7796.6
28°	7411.7
29°	7003.6
30°	6539.7
31°	6089.9
32°	5630.6
33°	5157.6
34°	4721.5
35°	4295.0
37.5°	3307.1
40°	2546.4
42.5°	2050.1
45°	1743.9
47.5°	1525.9
50°	1354.4
52.5°	1206.0
55°	1062.2
57.5°	932.3



TEST NUMBER: P250642

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBN0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	825.5
62.5°	719.0
65°	626.1
67.5°	542.6
70°	436.0
72.5°	375.8
75°	301.5
77.5°	245.7
80°	190.1
82.5°	139.1
85°	83.5
87.5°	46.3
90°	0.0

(END OF REPORT)