

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: P250782

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150927 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12596.7 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

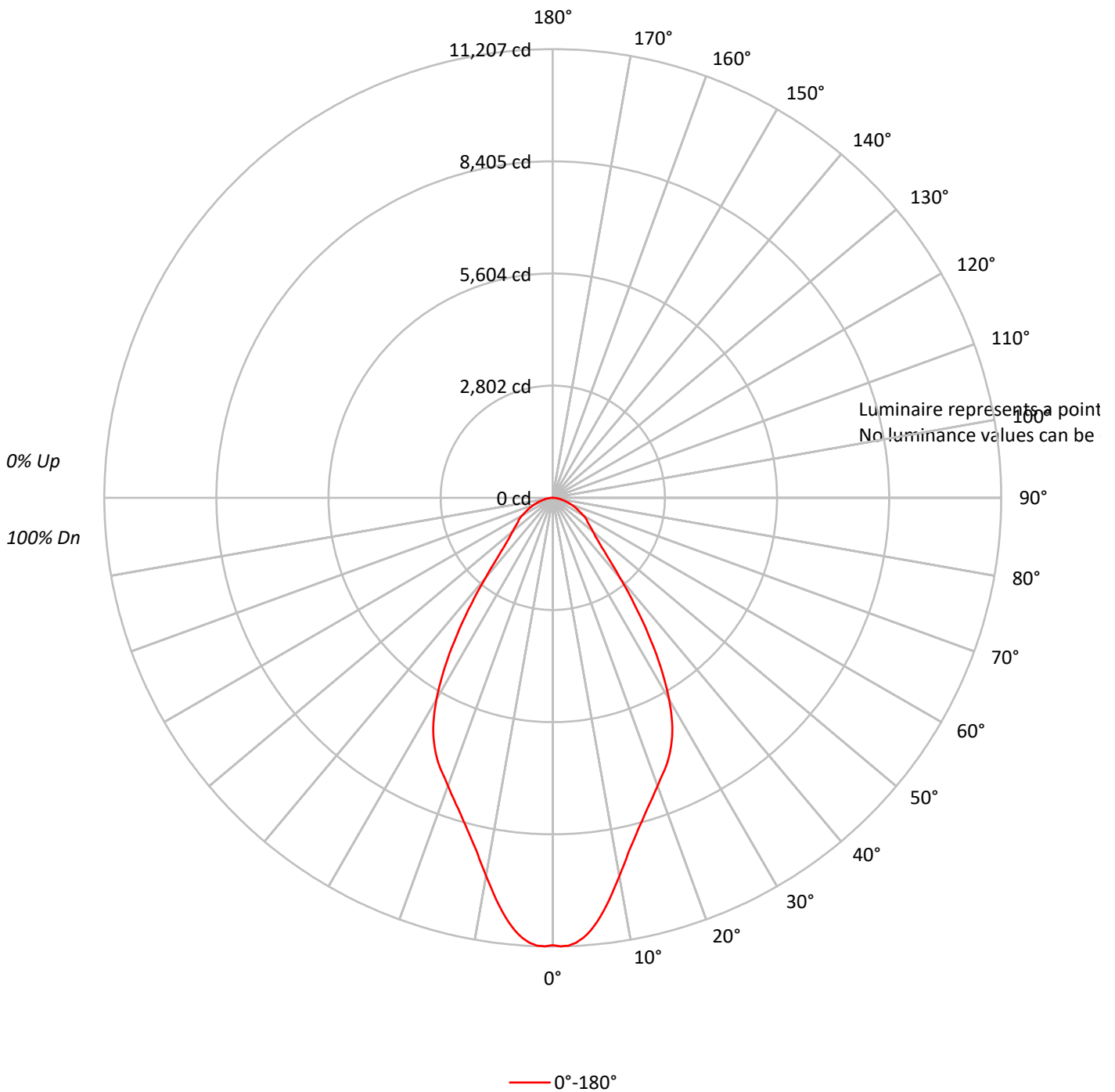
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250782

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBM0MW

Luminous Intensity Polar Plot





TEST NUMBER: P250782

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBM0MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
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):





TEST NUMBER: P250782

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBM0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.0	7.9
10°-20°	2383.4	18.9
20°-30°	3158.5	25.1
30°-40°	2590.0	20.6
40°-50°	1379.5	11.0
50°-60°	970.9	7.7
60°-70°	669.5	5.3
70°-80°	348.7	2.8
80°-90°	103.1	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°	6535.0	51.9
0°-40°	9125.0	72.4
0°-60°	11475.4	91.1
0°-90°	12596.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12596.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11174	
5°	10849	993
15°	8451	2383
25°	6957	3158
35°	4166	2590
45°	1702	1379
55°	1068	971
65°	671	670
75°	332	349
85°	95	103
90°	0	



TEST NUMBER: P250782

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBM0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	11173.8
1°	11206.7
2°	11192.1
3°	11126.4
4°	11013.5
5°	10849.4
6°	10645.4
7°	10401.3
8°	10138.8
9°	9858.2
10°	9588.5
11°	9329.7
12°	9067.3
13°	8848.7
14°	8641.0
15°	8451.4
16°	8272.9
17°	8108.9
18°	7955.8
19°	7802.8
20°	7657.0
21°	7514.8
22°	7390.9
23°	7263.3
24°	7113.9
25°	6957.2
26°	6778.7
27°	6578.2
28°	6352.2
29°	6100.8
30°	5812.9
31°	5510.4
32°	5193.3
33°	4854.4
34°	4515.4
35°	4165.5
37.5°	3338.3
40°	2616.8
42.5°	2066.4
45°	1702.0
47.5°	1461.5
50°	1312.0
52.5°	1180.8
55°	1067.9
57.5°	998.6



TEST NUMBER: P250782

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBM0MW

CANDELA DISTRIBUTION (continued):

	0°
60°	881.9
62.5°	768.9
65°	670.6
67.5°	583.1
70°	488.4
72.5°	408.2
75°	331.7
77.5°	240.5
80°	196.8
82.5°	142.1
85°	94.8
87.5°	43.6
90°	0.0

(END OF REPORT)