

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: P249940

Luminaire Tested: **LSR8B100D010 EC8B100927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B100927 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8283.4 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

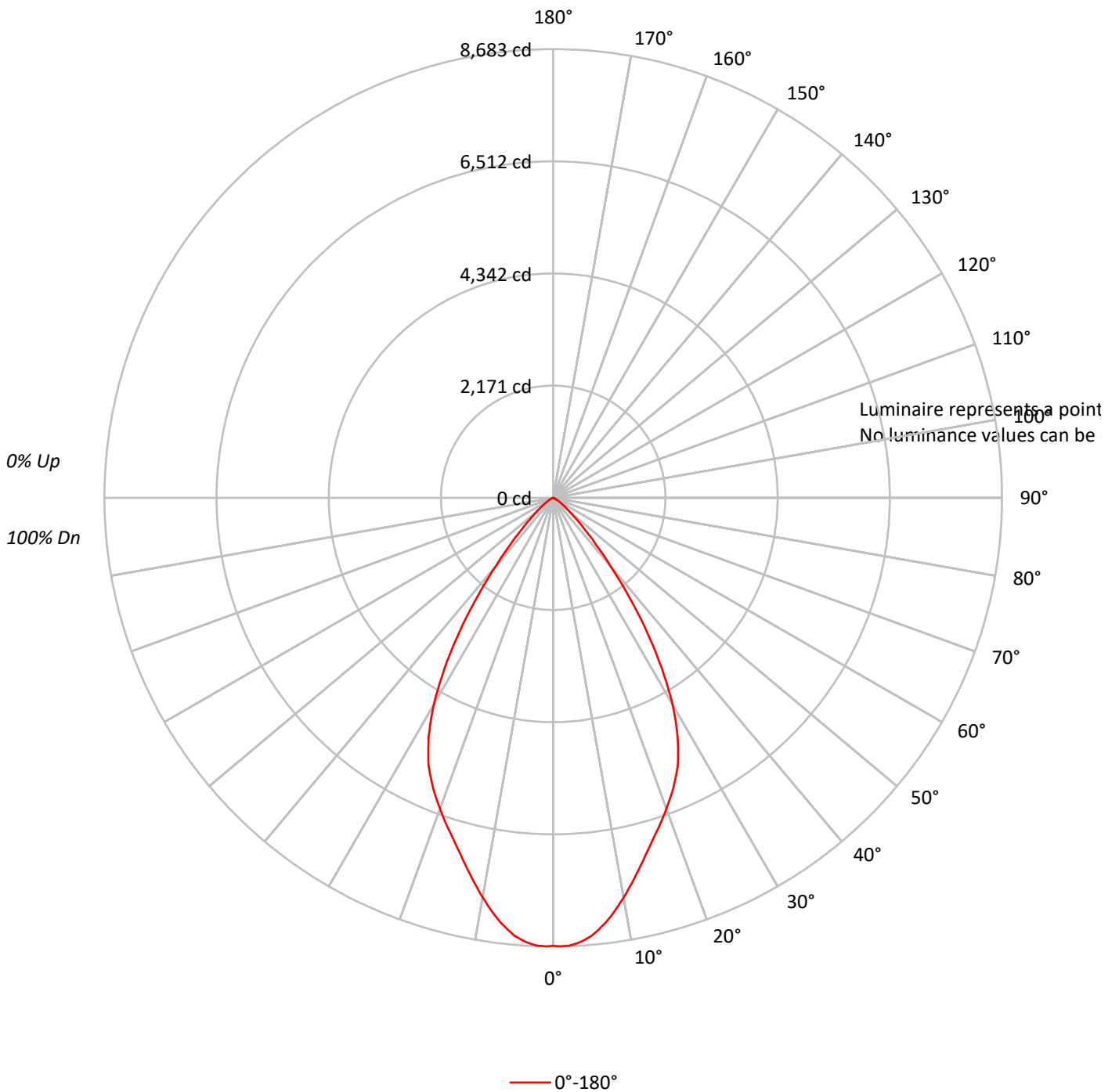
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249940

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBM0H

Luminous Intensity Polar Plot





TEST NUMBER: P249940

CATALOG NUMBER: LSR8B100D010 EC8B100927 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	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P249940

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBM0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	790.4	9.5
10°-20°	1988.7	24.0
20°-30°	2581.7	31.2
30°-40°	1948.6	23.5
40°-50°	713.0	8.6
50°-60°	199.3	2.4
60°-70°	52.4	0.6
70°-80°	8.8	0.1
80°-90°	0.4	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°	5360.8	64.7
0°-40°	7309.4	88.2
0°-60°	8221.8	99.3
0°-90°	8283.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8283.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8670	
5°	8510	790
15°	7068	1989
25°	5707	2582
35°	3147	1949
45°	855	713
55°	204	199
65°	49	52
75°	8	9
85°	0	0
90°	0	



TEST NUMBER: P249940

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBM0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	8670.0
1°	8683.0
2°	8672.6
3°	8639.0
4°	8582.2
5°	8509.8
6°	8404.0
7°	8287.6
8°	8153.3
9°	8006.1
10°	7851.0
11°	7696.1
12°	7535.9
13°	7373.1
14°	7218.1
15°	7068.3
16°	6926.2
17°	6789.3
18°	6665.3
19°	6536.1
20°	6404.4
22.5°	6076.2
25°	5706.8
27.5°	5218.5
30°	4624.3
32.5°	3908.7
35°	3146.6
37.5°	2402.5
40°	1733.5
42.5°	1227.1
45°	855.1
47.5°	602.0
50°	405.6
52.5°	297.1
55°	204.1
57.5°	147.3
60°	98.2
62.5°	72.3
65°	49.1
67.5°	33.6
70°	18.1
72.5°	12.9
75°	7.8
77.5°	2.6
80°	2.6



TEST NUMBER: P249940

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBM0H

CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)