

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: P246978

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80935 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7336.0 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

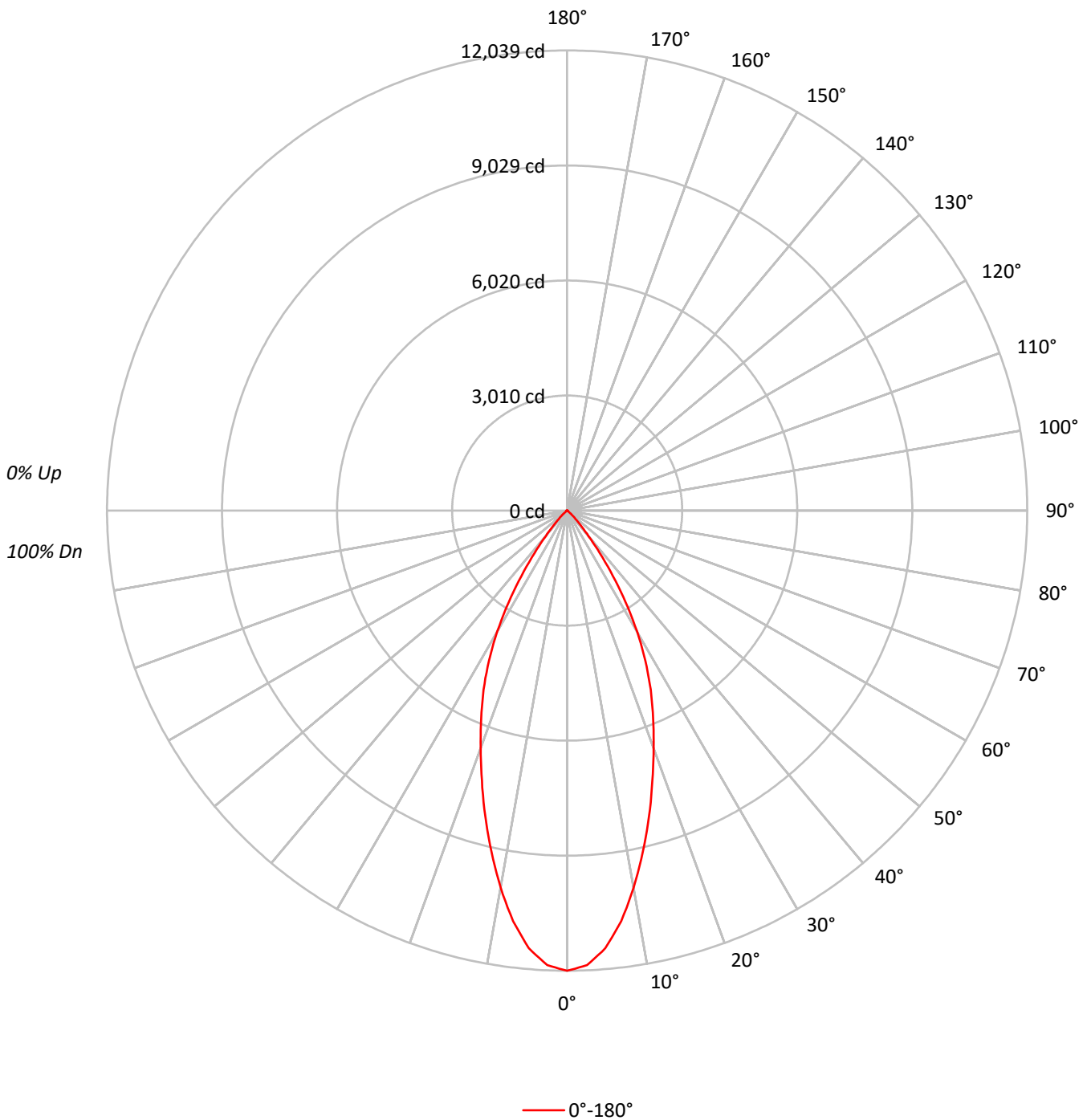
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246978

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBM0LI

Luminous Intensity Polar Plot





TEST NUMBER: P246978

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBM0LI

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	371226
5°	355749
10°	313690
15°	264363
20°	217060
25°	175928
30°	130242
35°	78398
40°	34912
45°	13576
50°	4869
55°	1419
60°	999
65°	744
70°	81
75°	405
80°	0
85°	1203



TEST NUMBER: P246978

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBM0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1049.2	14.3
10°-20°	2300.1	31.4
20°-30°	2345.7	32.0
30°-40°	1313.7	17.9
40°-50°	280.2	3.8
50°-60°	34.7	0.5
60°-70°	9.0	0.1
70°-80°	2.2	0.0
80°-90°	1.2	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°	5695.0	77.6
0°-40°	7008.8	95.5
0°-60°	7323.6	99.8
0°-90°	7336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7336.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12039	
5°	11493	###
15°	8281	2300
25°	5171	2346
35°	2083	1314
45°	311	280
55°	26	35
65°	10	9
75°	3	2
85°	3	1
90°	0	



TEST NUMBER: P246978

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBM0LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	12038.6
2.5°	11903.0
5°	11492.8
7.5°	10832.7
10°	10018.2
12.5°	9144.1
15°	8281.0
17.5°	7412.8
20°	6614.6
22.5°	5871.8
25°	5170.7
27.5°	4434.7
30°	3657.8
32.5°	2845.9
35°	2082.6
37.5°	1395.2
40°	867.3
42.5°	518.5
45°	311.3
47.5°	173.1
50°	101.5
52.5°	53.7
55°	26.4
57.5°	18.8
60°	16.2
62.5°	7.7
65°	10.2
67.5°	10.2
70°	0.9
72.5°	2.6
75°	3.4
77.5°	1.7
80°	0.0
82.5°	0.9
85°	3.4
87.5°	0.0
90°	0.0

(END OF REPORT)