

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: P244019

Luminaire Tested: **LSR8B50D010 EC8B50827 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50827 8LBS0LI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5822.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

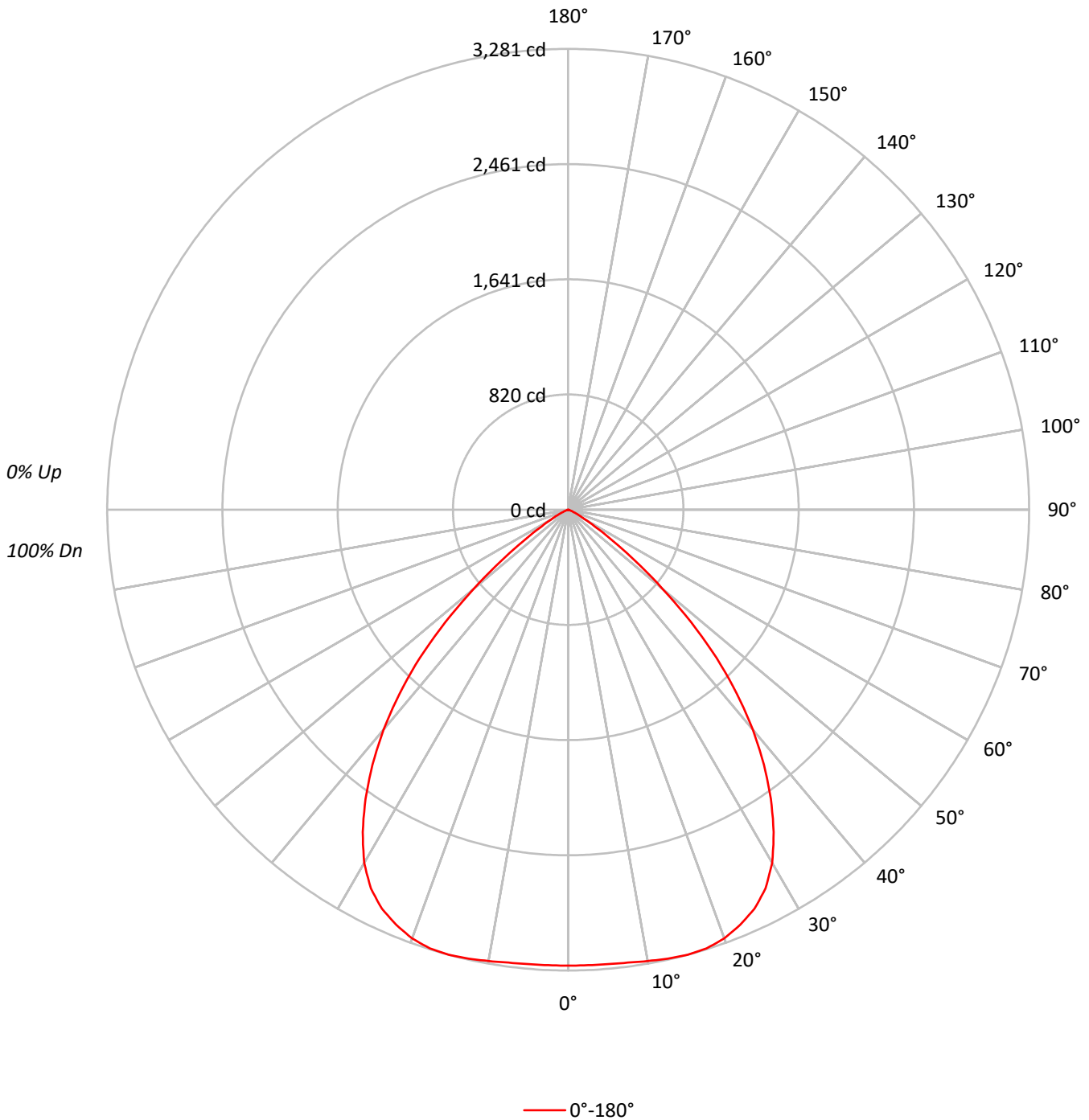
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100098
5°	100533
10°	102165
15°	104749
20°	106578
25°	106696
30°	103395
35°	94664
40°	82271
45°	65100
50°	42216
55°	21096
60°	8856
65°	3896
70°	1208
75°	596
80°	586
85°	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.5	5.3
10°-20°	927.2	15.9
20°-30°	1436.4	24.7
30°-40°	1559.9	26.8
40°-50°	1133.5	19.5
50°-60°	385.3	6.6
60°-70°	61.4	1.1
70°-80°	6.6	0.1
80°-90°	1.4	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°	2674.0	45.9
0°-40°	4233.9	72.7
0°-60°	5752.7	98.8
0°-90°	5822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3246	
5°	3248	310
15°	3281	927
25°	3136	1436
35°	2515	1560
45°	1493	1134
55°	392	385
65°	53	61
75°	5	7
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3246.1
2.5°	3246.1
5°	3247.8
7.5°	3252.8
10°	3262.8
12.5°	3274.5
15°	3281.2
17.5°	3274.5
20°	3247.8
22.5°	3199.3
25°	3135.9
27.5°	3040.7
30°	2903.8
32.5°	2721.8
35°	2514.7
37.5°	2289.3
40°	2043.8
42.5°	1778.3
45°	1492.8
47.5°	1185.6
50°	880.0
52.5°	602.8
55°	392.4
57.5°	238.8
60°	143.6
62.5°	88.5
65°	53.4
67.5°	30.1
70°	13.4
72.5°	8.3
75°	5.0
77.5°	3.3
80°	3.3
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)