

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: P244451

Luminaire Tested: **LSR8B50D010 EC8B50827 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50827 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5662.0 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

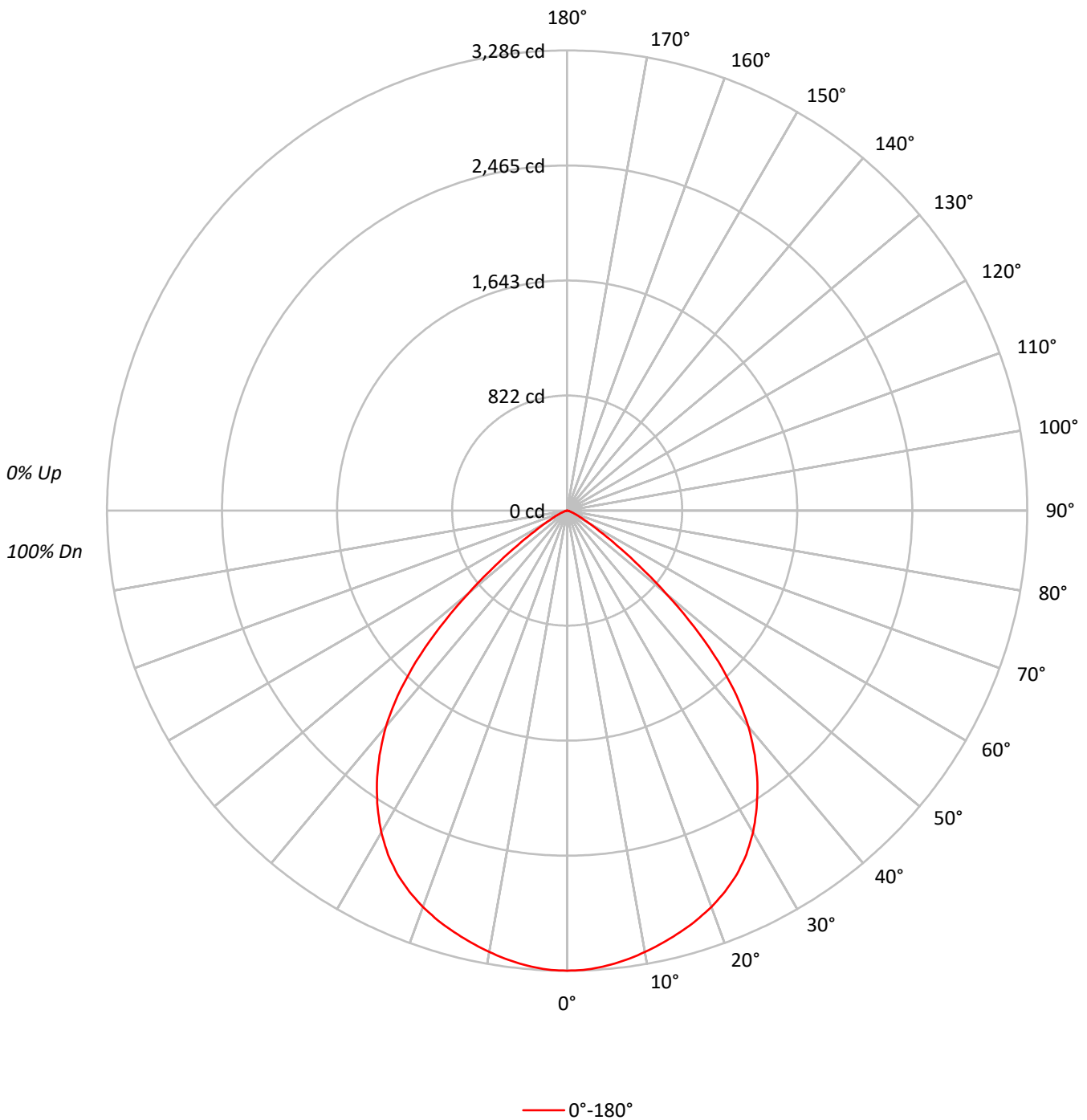
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101322
5°	100985
10°	100220
15°	99514
20°	98840
25°	97537
30°	94525
35°	89187
40°	81055
45°	66696
50°	44452
55°	23160
60°	10916
65°	5728
70°	2858
75°	1990
80°	1474
85°	1168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.5	5.5
10°-20°	879.8	15.5
20°-30°	1316.1	23.2
30°-40°	1472.1	26.0
40°-50°	1154.9	20.4
50°-60°	421.4	7.4
60°-70°	85.9	1.5
70°-80°	18.5	0.3
80°-90°	3.8	0.1
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°	2505.4	44.2
0°-40°	3977.5	70.2
0°-60°	5553.8	98.1
0°-90°	5662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5662.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3286	
5°	3262	309
15°	3117	880
25°	2867	1316
35°	2369	1472
45°	1529	1155
55°	431	421
65°	78	86
75°	17	18
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3285.8
2.5°	3280.8
5°	3262.4
7.5°	3235.7
10°	3200.7
12.5°	3160.6
15°	3117.2
17.5°	3068.8
20°	3012.0
22.5°	2945.2
25°	2866.7
27.5°	2769.9
30°	2654.7
32.5°	2519.5
35°	2369.2
37.5°	2200.6
40°	2013.6
42.5°	1791.5
45°	1529.4
47.5°	1233.8
50°	926.6
52.5°	649.5
55°	430.8
57.5°	275.5
60°	177.0
62.5°	116.9
65°	78.5
67.5°	50.1
70°	31.7
72.5°	21.7
75°	16.7
77.5°	11.7
80°	8.3
82.5°	5.0
85°	3.3
87.5°	1.7
90°	0.0

(END OF REPORT)