

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: P244295

Luminaire Tested: **LSR8B50D010 EC8B50927 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50927 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE 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: 4323.3 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

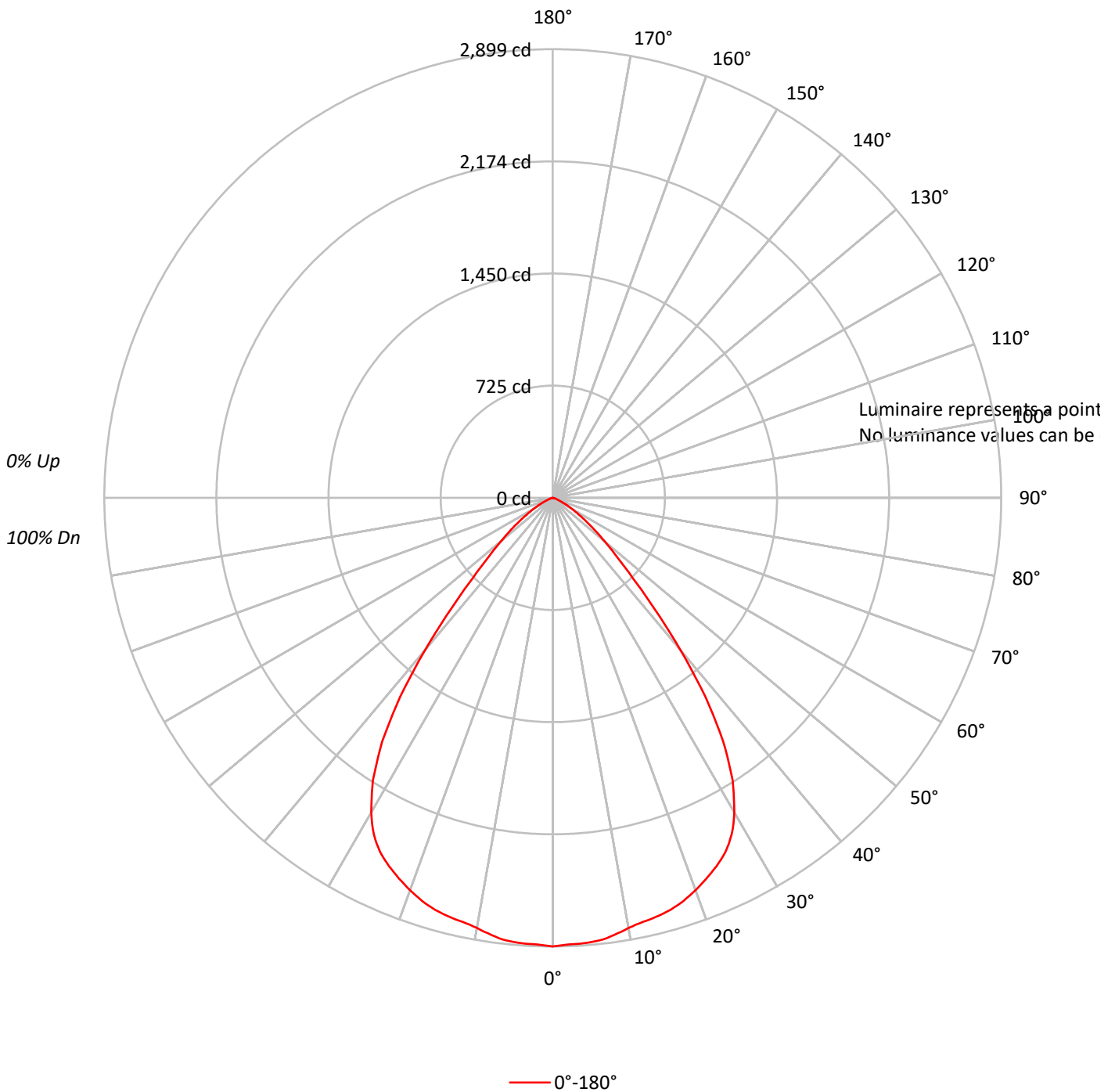
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244295

CATALOG NUMBER: LSR8B50D010 EC8B50927 8LBW0H

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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	6.3
10°-20°	783.8	18.1
20°-30°	1179.6	27.3
30°-40°	1167.8	27.0
40°-50°	593.4	13.7
50°-60°	239.0	5.5
60°-70°	72.5	1.7
70°-80°	12.5	0.3
80°-90°	1.5	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°	2236.6	51.7
0°-40°	3404.5	78.7
0°-60°	4236.9	98.0
0°-90°	4323.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4323.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2899	
5°	2882	273
15°	2779	784
25°	2577	1180
35°	1922	1168
45°	727	593
55°	257	239
65°	66	72
75°	10	12
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2899.0
1°	2892.7
2°	2887.8
3°	2886.5
4°	2885.3
5°	2881.5
6°	2876.5
7°	2866.5
8°	2851.5
9°	2837.8
10°	2822.7
11°	2810.2
12°	2801.5
13°	2795.3
14°	2787.8
15°	2779.1
16°	2767.8
17°	2754.0
18°	2737.8
19°	2719.0
20°	2697.9
21°	2675.4
22°	2652.9
23°	2629.1
24°	2604.2
25°	2576.6
26°	2546.7
27°	2507.8
28°	2462.8
29°	2409.2
30°	2346.6
32.5°	2164.3
35°	1921.8
37.5°	1619.4
40°	1282.0
42.5°	968.4
45°	727.2
47.5°	556.1
50°	436.0
52.5°	338.6
55°	257.4
57.5°	191.1
60°	143.7
62.5°	102.5
65°	66.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	41.3
70°	26.2
72.5°	16.2
75°	10.0
77.5°	6.3
80°	3.7
82.5°	2.5
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)