

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: P244439

Luminaire Tested: **LSR8B50D010 EC8B50927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50927 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: 4250.2 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

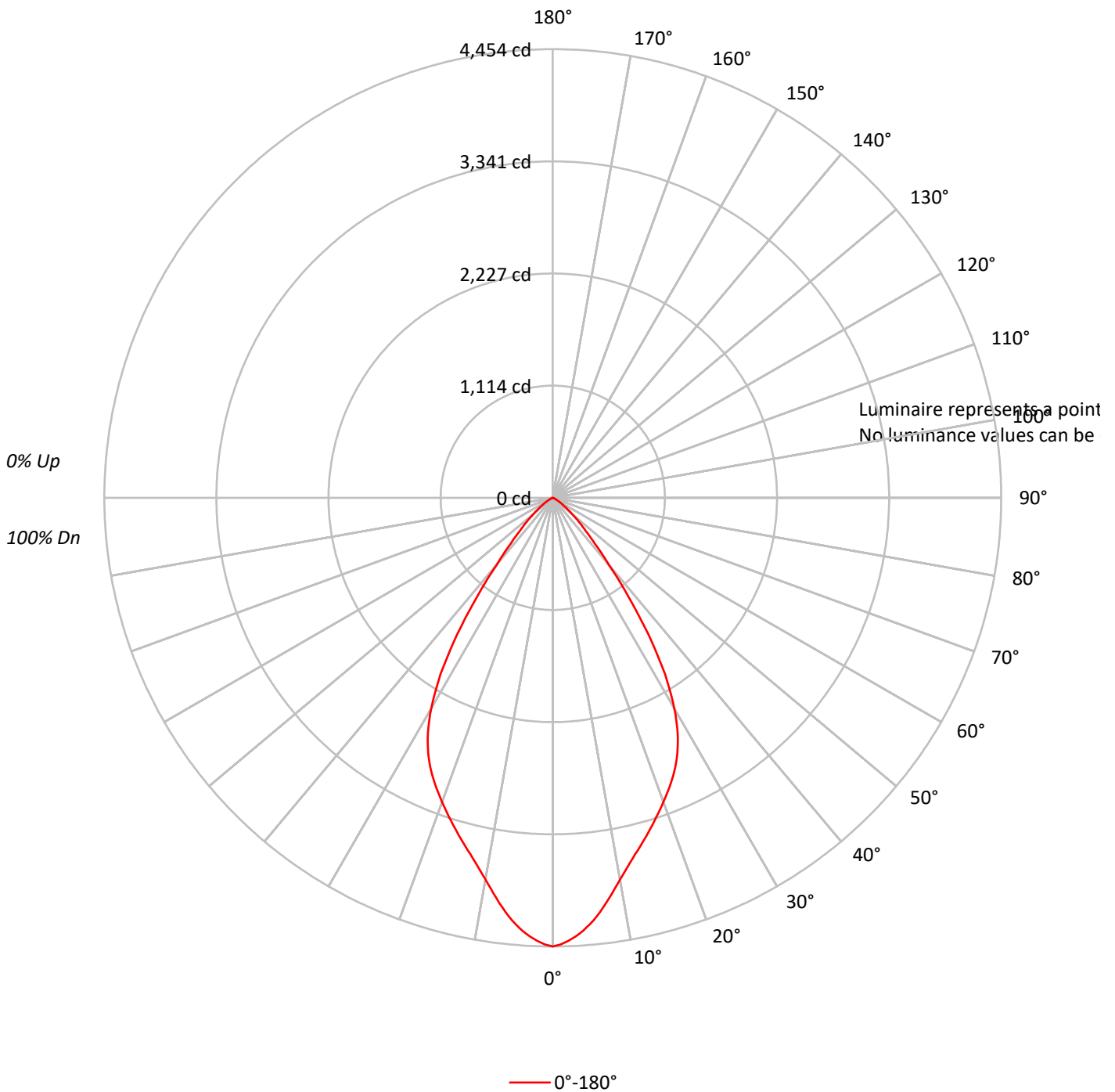
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.3	9.2
10°-20°	987.4	23.2
20°-30°	1317.5	31.0
30°-40°	1015.5	23.9
40°-50°	378.6	8.9
50°-60°	123.8	2.9
60°-70°	28.6	0.7
70°-80°	5.7	0.1
80°-90°	0.8	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°	2697.1	63.5
0°-40°	3712.6	87.4
0°-60°	4215.1	99.2
0°-90°	4250.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4250.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4454	
5°	4249	392
15°	3512	987
25°	2900	1317
35°	1652	1015
45°	460	379
55°	130	124
65°	25	29
75°	5	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4453.7
1°	4434.4
2°	4401.9
3°	4360.3
4°	4309.5
5°	4248.6
6°	4179.5
7°	4100.3
8°	4016.0
9°	3928.7
10°	3848.5
11°	3771.3
12°	3699.2
13°	3633.2
14°	3572.3
15°	3512.4
16°	3451.5
17°	3392.6
18°	3331.7
19°	3271.7
20°	3213.9
21°	3153.9
22°	3096.1
23°	3035.1
24°	2971.1
25°	2900.1
26°	2821.8
27°	2735.5
28°	2640.2
29°	2533.5
30°	2416.7
32.5°	2074.5
35°	1652.1
37.5°	1223.6
40°	866.1
42.5°	620.4
45°	460.0
47.5°	346.3
50°	255.9
52.5°	182.8
55°	129.9
57.5°	89.3
60°	59.0
62.5°	38.6
65°	25.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.2
70°	11.1
72.5°	7.1
75°	5.1
77.5°	3.0
80°	2.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)