

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: P250694

Luminaire Tested: **LSR8B80D010 EC8B80927 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80927 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6060.4 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

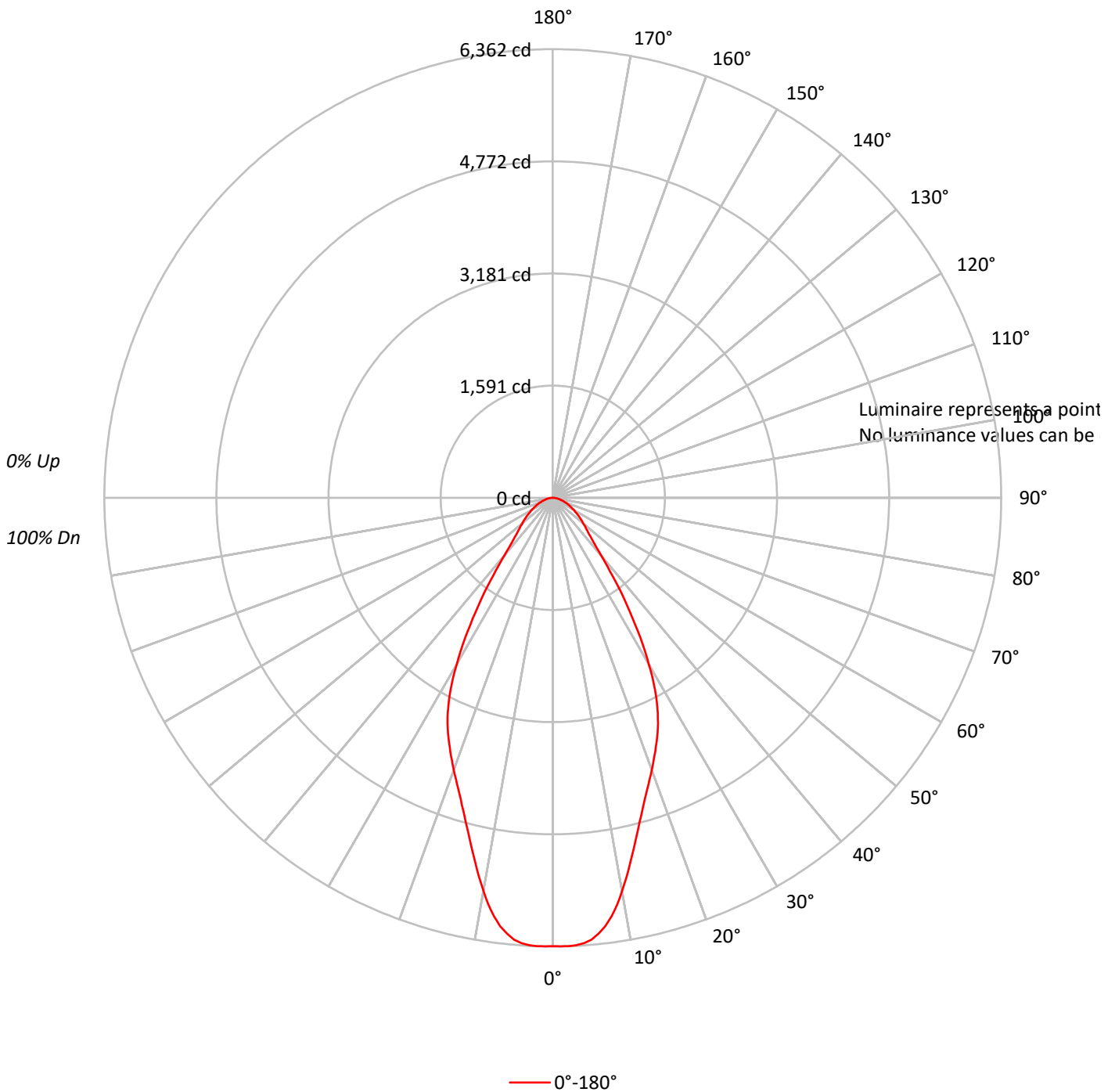
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.4	9.6
10°-20°	1339.2	22.1
20°-30°	1596.2	26.3
30°-40°	1126.7	18.6
40°-50°	581.9	9.6
50°-60°	399.3	6.6
60°-70°	259.5	4.3
70°-80°	135.9	2.2
80°-90°	41.3	0.7
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°	3515.8	58.0
0°-40°	4642.5	76.6
0°-60°	5623.6	92.8
0°-90°	6060.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6060.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6358	
5°	6288	580
15°	4763	1339
25°	3533	1596
35°	1791	1127
45°	727	582
55°	443	399
65°	261	260
75°	126	136
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6358.2
1°	6362.0
2°	6362.0
3°	6352.3
4°	6331.0
5°	6288.5
6°	6213.2
7°	6120.3
8°	5992.7
9°	5838.0
10°	5663.9
11°	5480.2
12°	5288.7
13°	5105.1
14°	4927.2
15°	4762.8
16°	4610.0
17°	4469.0
18°	4341.3
19°	4221.3
20°	4105.3
21°	3991.3
22°	3879.1
23°	3767.0
24°	3652.9
25°	3533.0
26°	3397.5
27°	3250.6
28°	3090.2
29°	2919.9
30°	2726.5
31°	2539.0
32°	2347.5
33°	2150.3
34°	1968.5
35°	1790.7
37.5°	1378.8
40°	1061.7
42.5°	854.8
45°	727.1
47.5°	636.2
50°	564.6
52.5°	502.8
55°	442.8
57.5°	388.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	344.1
62.5°	299.7
65°	261.0
67.5°	226.2
70°	181.8
72.5°	156.7
75°	125.8
77.5°	102.5
80°	79.3
82.5°	58.0
85°	34.9
87.5°	19.3
90°	0.0

(END OF REPORT)