

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: P250702

Luminaire Tested: **LSR8B90D010 EC8B90930 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250702
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: LSR8B90D010 EC8B90930 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7195.6 lumens
Efficiency: N/A
Efficacy: 83.6 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

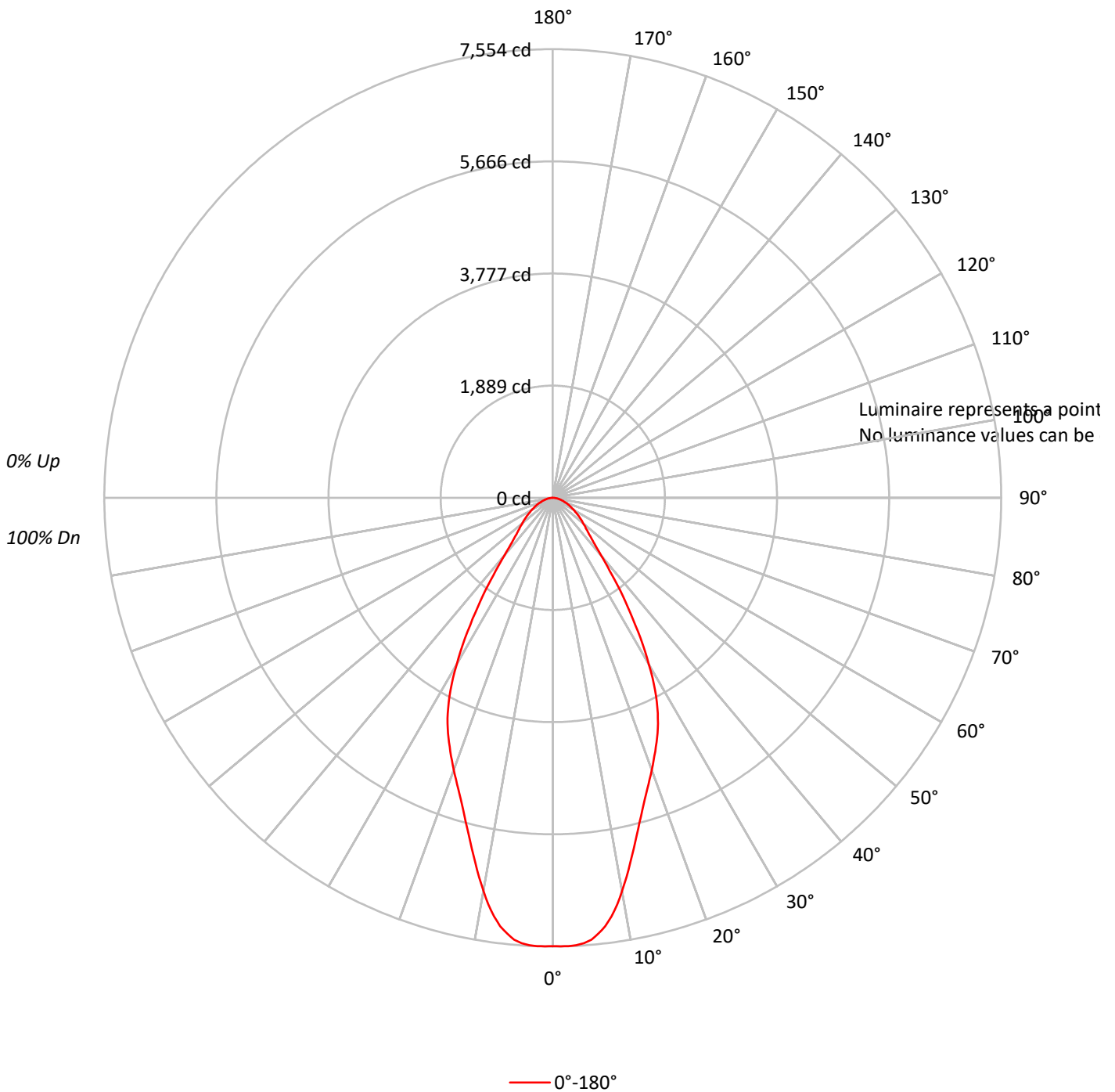
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	689.1	9.6
10°-20°	1590.1	22.1
20°-30°	1895.2	26.3
30°-40°	1337.8	18.6
40°-50°	690.8	9.6
50°-60°	474.0	6.6
60°-70°	308.2	4.3
70°-80°	161.3	2.2
80°-90°	49.0	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°	4174.4	58.0
0°-40°	5512.2	76.6
0°-60°	6677.0	92.8
0°-90°	7195.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7195.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7549	
5°	7466	689
15°	5655	1590
25°	4195	1895
35°	2126	1338
45°	863	691
55°	526	474
65°	310	308
75°	149	161
85°	41	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7549.3
1°	7553.9
2°	7553.9
3°	7542.3
4°	7517.1
5°	7466.5
6°	7377.1
7°	7266.9
8°	7115.2
9°	6931.7
10°	6725.0
11°	6506.8
12°	6279.5
13°	6061.5
14°	5850.2
15°	5655.1
16°	5473.7
17°	5306.0
18°	5154.5
19°	5012.1
20°	4874.3
21°	4738.9
22°	4605.7
23°	4472.7
24°	4337.1
25°	4194.8
26°	4034.0
27°	3859.5
28°	3669.0
29°	3467.0
30°	3237.3
31°	3014.7
32°	2787.3
33°	2553.1
34°	2337.3
35°	2126.1
37.5°	1637.1
40°	1260.6
42.5°	1014.8
45°	863.3
47.5°	755.3
50°	670.5
52.5°	596.9
55°	525.7
57.5°	461.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	408.7
62.5°	355.9
65°	310.0
67.5°	268.6
70°	215.8
72.5°	186.0
75°	149.3
77.5°	121.6
80°	94.1
82.5°	68.8
85°	41.4
87.5°	23.0
90°	0.0

(END OF REPORT)