

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: P250787

Luminaire Tested: **LSR8B100D010 EC8B100930 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B100930 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8962.4 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

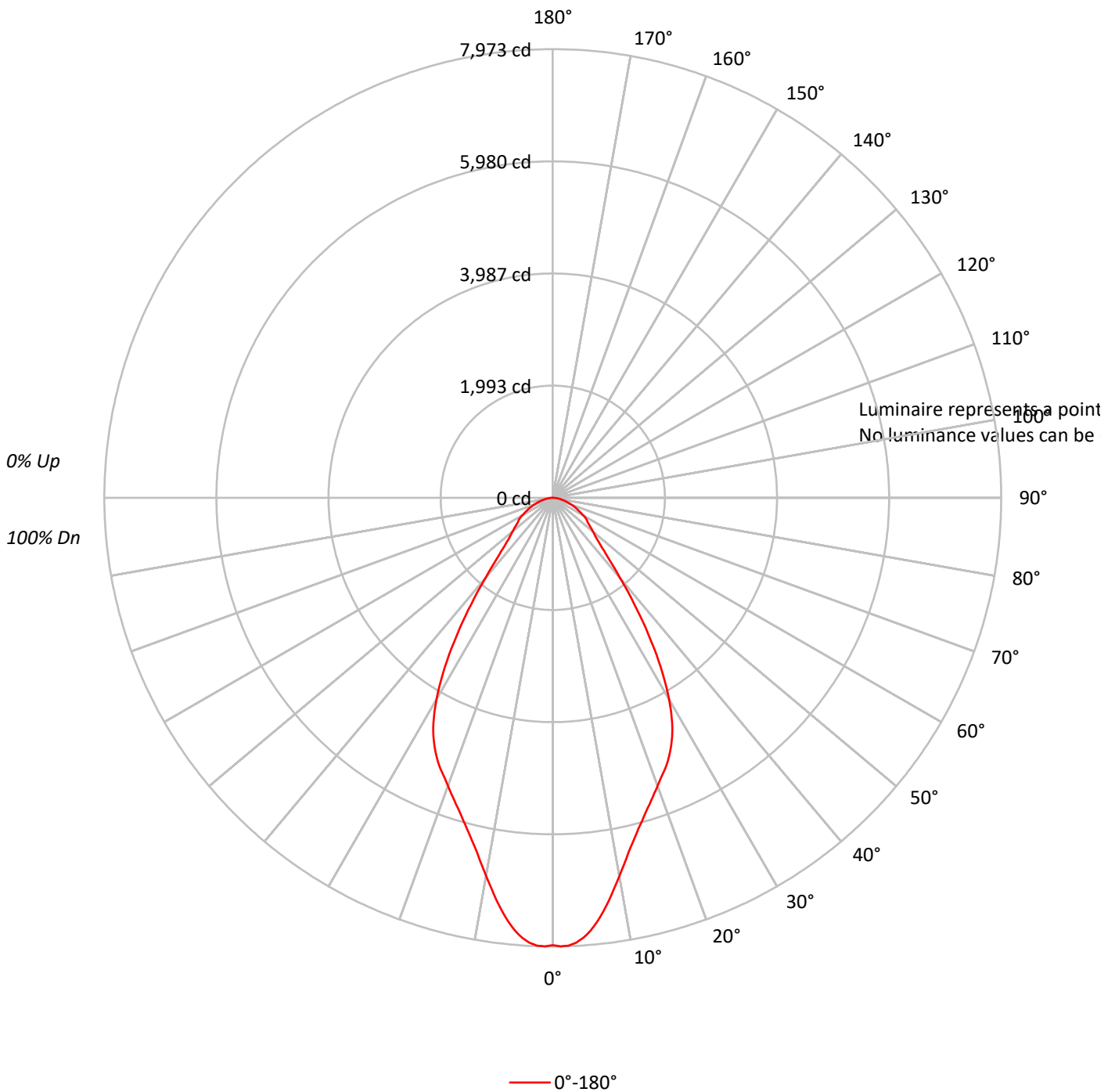
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.5	7.9
10°-20°	1695.8	18.9
20°-30°	2247.2	25.1
30°-40°	1842.8	20.6
40°-50°	981.5	11.0
50°-60°	690.8	7.7
60°-70°	476.3	5.3
70°-80°	248.0	2.8
80°-90°	73.4	0.8
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°	4649.6	51.9
0°-40°	6492.4	72.4
0°-60°	8164.6	91.1
0°-90°	8962.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8962.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7950	
5°	7719	707
15°	6013	1696
25°	4950	2247
35°	2964	1843
45°	1211	981
55°	760	691
65°	477	476
75°	236	248
85°	68	73
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7950.1
1°	7973.4
2°	7963.0
3°	7916.4
4°	7836.0
5°	7719.3
6°	7574.1
7°	7400.4
8°	7213.6
9°	7014.0
10°	6822.2
11°	6638.0
12°	6451.4
13°	6295.8
14°	6148.0
15°	6013.2
16°	5886.0
17°	5769.5
18°	5660.5
19°	5551.6
20°	5447.8
21°	5346.7
22°	5258.6
23°	5167.8
24°	5061.5
25°	4950.0
26°	4823.0
27°	4680.4
28°	4519.5
29°	4340.6
30°	4135.8
31°	3920.6
32°	3695.0
33°	3453.9
34°	3212.7
35°	2963.7
37.5°	2375.2
40°	1861.8
42.5°	1470.2
45°	1210.9
47.5°	1039.8
50°	933.5
52.5°	840.2
55°	759.8
57.5°	710.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	627.5
62.5°	547.0
65°	477.1
67.5°	414.9
70°	347.4
72.5°	290.3
75°	236.0
77.5°	171.1
80°	140.0
82.5°	101.1
85°	67.5
87.5°	31.1
90°	0.0

(END OF REPORT)