

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: P251480

Luminaire Tested: **LSR8B60D010 EC8B609727 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B609727 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4352.0 lumens
Efficiency: N/A
Efficacy: 73.1 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

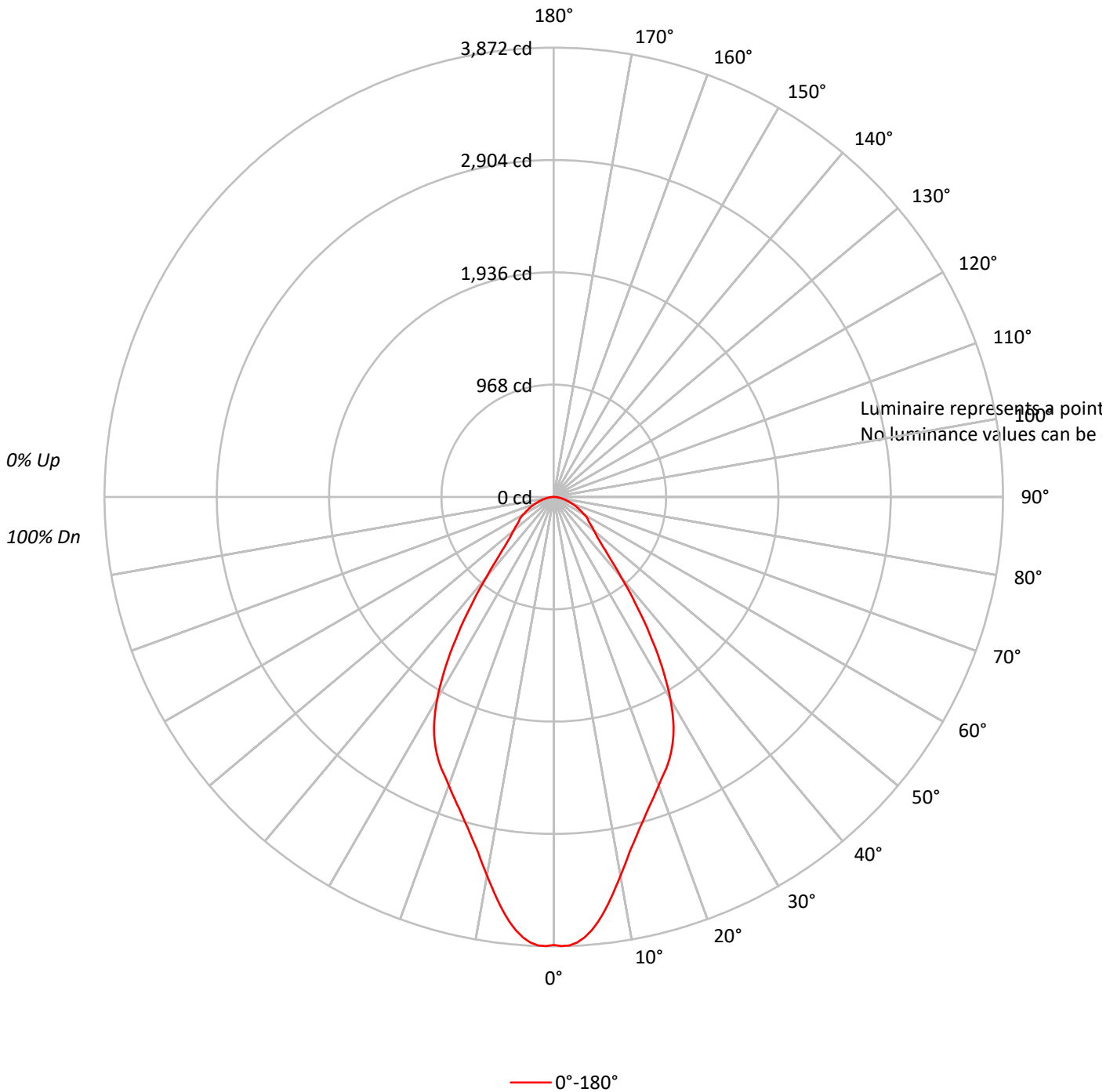
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	343.1	7.9
10°-20°	823.4	18.9
20°-30°	1091.2	25.1
30°-40°	894.8	20.6
40°-50°	476.6	11.0
50°-60°	335.5	7.7
60°-70°	231.3	5.3
70°-80°	120.4	2.8
80°-90°	35.6	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°	2257.7	51.9
0°-40°	3152.5	72.4
0°-60°	3964.6	91.1
0°-90°	4352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4352.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3861	
5°	3748	343
15°	2920	823
25°	2404	1091
35°	1439	895
45°	588	477
55°	369	335
65°	232	231
75°	115	120
85°	33	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3860.6
1°	3871.5
2°	3866.9
3°	3843.9
4°	3804.8
5°	3748.4
6°	3678.0
7°	3593.4
8°	3502.6
9°	3406.0
10°	3312.7
11°	3223.4
12°	3132.7
13°	3057.0
14°	2985.3
15°	2919.8
16°	2858.1
17°	2801.2
18°	2748.5
19°	2695.8
20°	2645.3
21°	2596.1
22°	2553.3
23°	2509.4
24°	2457.8
25°	2403.6
26°	2342.0
27°	2272.6
28°	2194.4
29°	2107.7
30°	2008.1
31°	1903.7
32°	1794.1
33°	1677.2
34°	1559.8
35°	1439.2
37.5°	1153.2
40°	903.9
42.5°	713.9
45°	588.1
47.5°	505.1
50°	453.4
52.5°	408.1
55°	368.9
57.5°	345.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	304.7
62.5°	265.7
65°	231.7
67.5°	201.5
70°	168.7
72.5°	140.8
75°	114.8
77.5°	83.1
80°	67.8
82.5°	49.1
85°	32.8
87.5°	15.2
90°	0.0

(END OF REPORT)