

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 EC8B60927 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 EC8B60927 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: 4896.0 lumens
Efficiency: N/A
Efficacy: 82.3 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

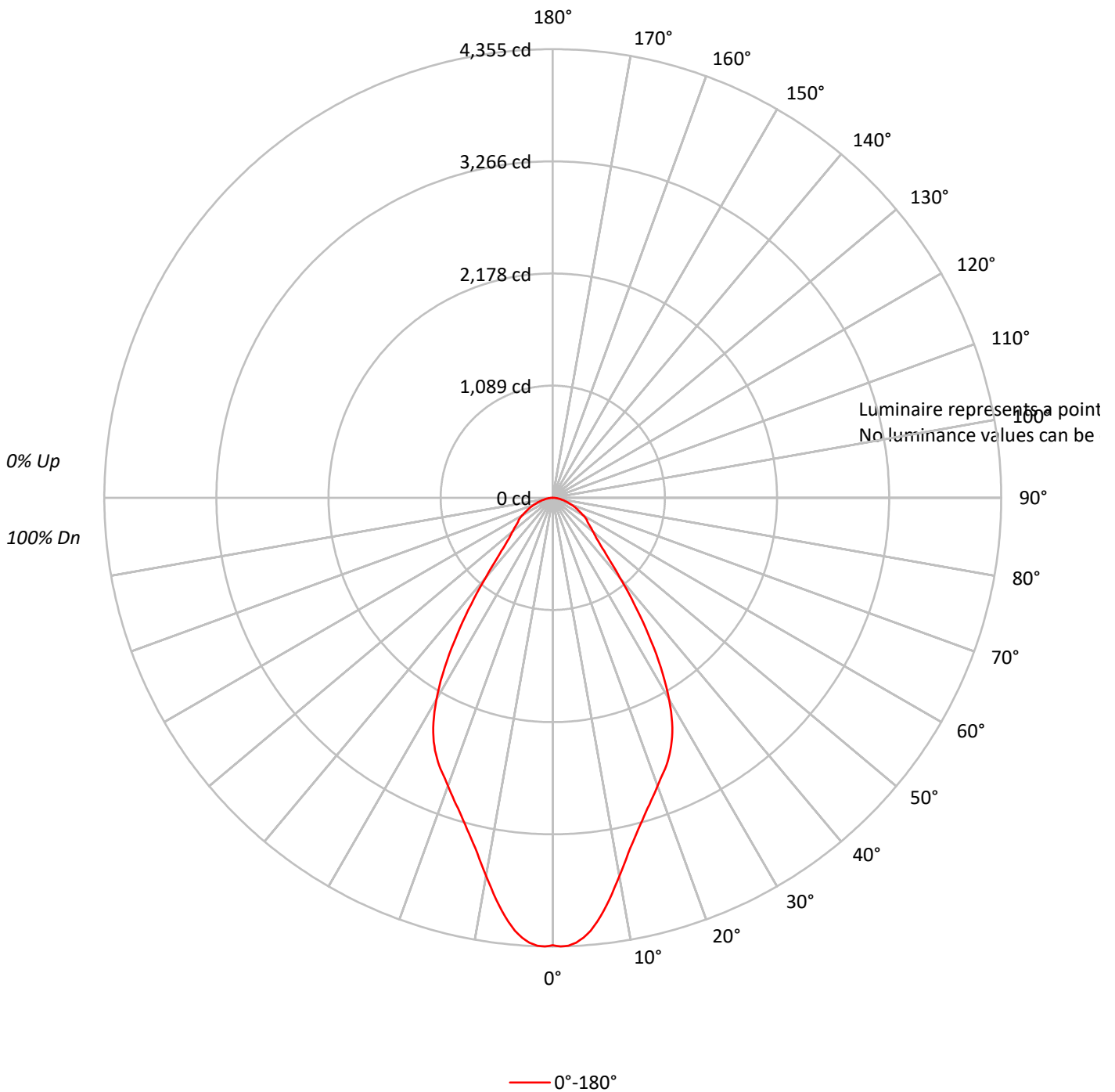
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	386.0	7.9
10°-20°	926.4	18.9
20°-30°	1227.6	25.1
30°-40°	1006.6	20.6
40°-50°	536.2	11.0
50°-60°	377.4	7.7
60°-70°	260.3	5.3
70°-80°	135.5	2.8
80°-90°	40.1	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°	2539.9	51.9
0°-40°	3546.5	72.4
0°-60°	4460.1	91.1
0°-90°	4896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4896.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4343	
5°	4217	386
15°	3285	926
25°	2704	1228
35°	1619	1007
45°	662	536
55°	415	377
65°	261	260
75°	129	136
85°	37	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4343.2
1°	4355.4
2°	4350.3
3°	4324.4
4°	4280.4
5°	4217.0
6°	4137.8
7°	4042.6
8°	3940.4
9°	3831.8
10°	3726.8
11°	3626.3
12°	3524.3
13°	3439.1
14°	3358.5
15°	3284.8
16°	3215.4
17°	3151.4
18°	3092.1
19°	3032.8
20°	2976.0
21°	2920.6
22°	2872.5
23°	2823.1
24°	2765.0
25°	2704.0
26°	2634.8
27°	2556.7
28°	2468.7
29°	2371.2
30°	2259.1
31°	2141.7
32°	2018.4
33°	1886.8
34°	1754.8
35°	1619.1
37.5°	1297.4
40°	1016.9
42.5°	803.1
45°	661.6
47.5°	568.2
50°	510.1
52.5°	459.1
55°	415.0
57.5°	388.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	342.8
62.5°	298.9
65°	260.7
67.5°	226.7
70°	189.8
72.5°	158.4
75°	129.2
77.5°	93.5
80°	76.3
82.5°	55.2
85°	36.9
87.5°	17.1
90°	0.0

(END OF REPORT)