

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: P250814

Luminaire Tested: **LSR8B60D010 EC8B609730 8LBWOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B609730 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4848.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

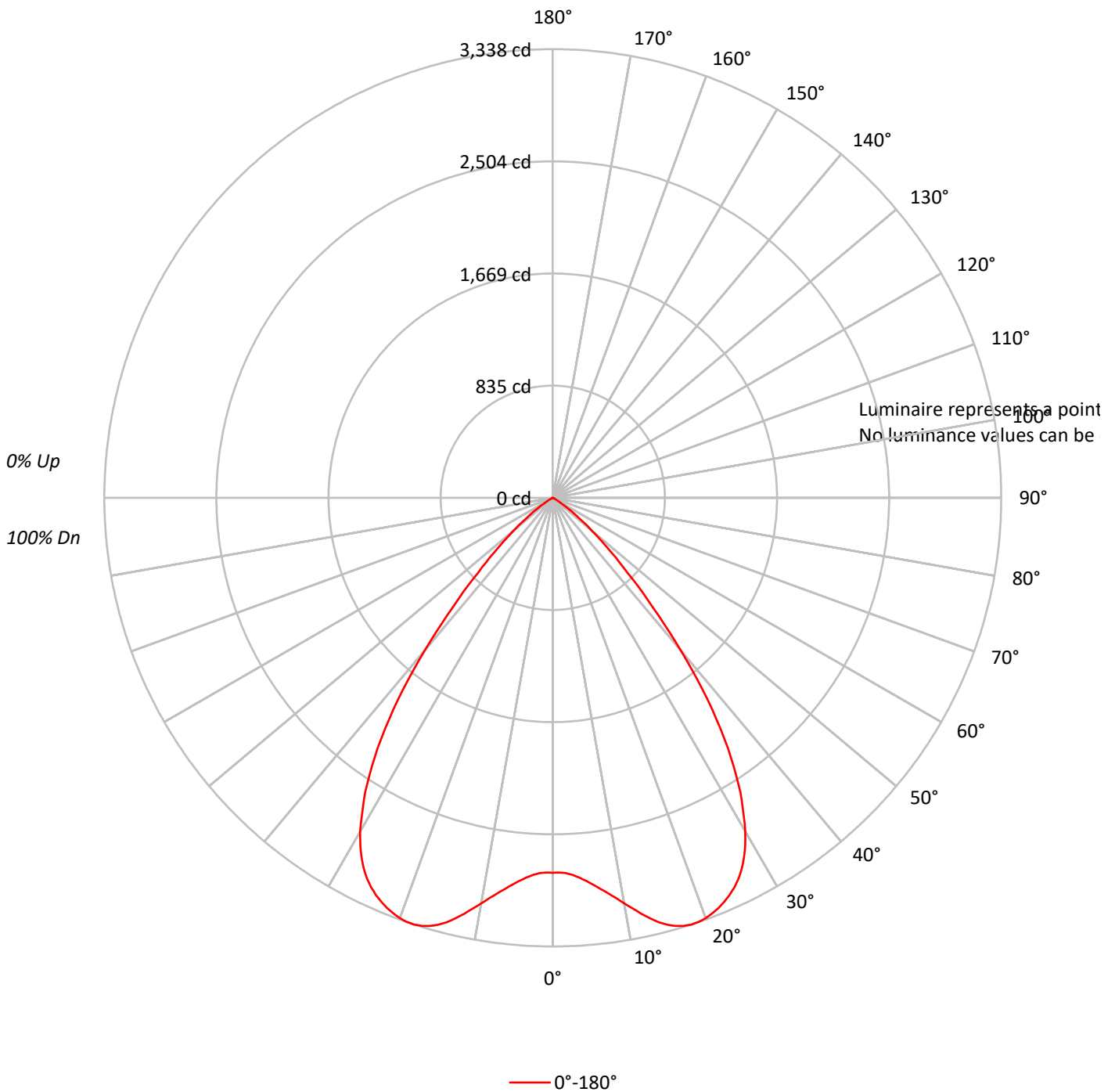
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.7	5.8
10°-20°	926.7	19.1
20°-30°	1458.2	30.1
30°-40°	1387.0	28.6
40°-50°	639.4	13.2
50°-60°	145.3	3.0
60°-70°	9.6	0.2
70°-80°	1.9	0.0
80°-90°	0.2	0.0
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°	2664.6	55.0
0°-40°	4051.6	83.6
0°-60°	4836.3	99.8
0°-90°	4848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4848.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2789	
5°	2861	280
15°	3288	927
25°	3198	1458
35°	2273	1387
45°	783	639
55°	141	145
65°	7	10
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2789.4
1°	2788.1
2°	2793.4
3°	2809.3
4°	2833.2
5°	2861.0
6°	2895.5
7°	2932.6
8°	2971.1
9°	3016.2
10°	3063.9
11°	3111.7
12°	3162.1
13°	3209.9
14°	3253.6
15°	3288.1
16°	3313.3
17°	3330.6
18°	3338.5
19°	3337.2
20°	3327.9
21°	3312.0
22°	3292.1
23°	3265.6
24°	3235.1
25°	3197.9
26°	3154.1
27°	3098.4
28°	3032.1
29°	2955.2
30°	2866.3
32.5°	2599.7
35°	2273.4
37.5°	1894.1
40°	1480.2
42.5°	1094.3
45°	782.6
47.5°	554.4
50°	382.0
52.5°	244.1
55°	140.6
57.5°	70.3
60°	30.5
62.5°	11.9
65°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.0
70°	2.7
72.5°	2.7
75°	1.3
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)