

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: P250812

Luminaire Tested: **LSR8B60D010 EC8B609727 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250812
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 EC8B609727 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4582.0 lumens
Efficiency: N/A
Efficacy: 77.0 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

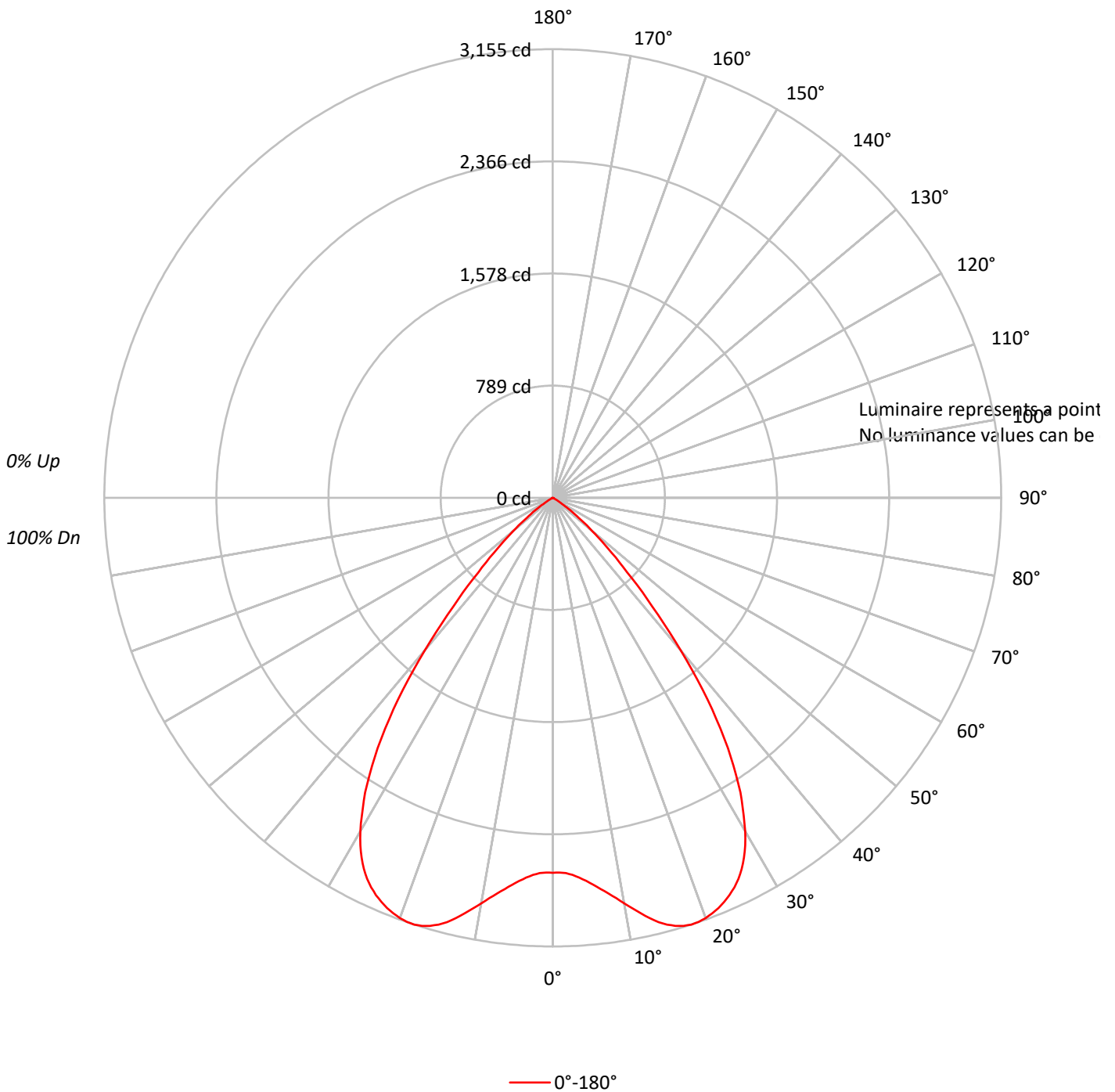
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	264.3	5.8
10°-20°	875.9	19.1
20°-30°	1378.2	30.1
30°-40°	1310.9	28.6
40°-50°	604.3	13.2
50°-60°	137.3	3.0
60°-70°	9.1	0.2
70°-80°	1.8	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°	2518.4	55.0
0°-40°	3829.3	83.6
0°-60°	4571.0	99.8
0°-90°	4582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4582.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2636	
5°	2704	264
15°	3108	876
25°	3022	1378
35°	2149	1311
45°	740	604
55°	133	137
65°	6	9
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2636.3
1°	2635.1
2°	2640.1
3°	2655.1
4°	2677.7
5°	2704.0
6°	2736.6
7°	2771.7
8°	2808.1
9°	2850.7
10°	2895.8
11°	2941.0
12°	2988.6
13°	3033.7
14°	3075.1
15°	3107.7
16°	3131.5
17°	3147.8
18°	3155.3
19°	3154.1
20°	3145.3
21°	3130.3
22°	3111.5
23°	3086.4
24°	3057.6
25°	3022.5
26°	2981.1
27°	2928.4
28°	2865.8
29°	2793.0
30°	2709.0
32.5°	2457.1
35°	2148.7
37.5°	1790.2
40°	1399.0
42.5°	1034.2
45°	739.6
47.5°	524.0
50°	361.0
52.5°	230.7
55°	132.9
57.5°	66.4
60°	28.8
62.5°	11.3
65°	6.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.8
70°	2.5
72.5°	2.5
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)