

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: P250934

Luminaire Tested: **LSR8B60D010 EC8B609730 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B609730 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4606.1 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

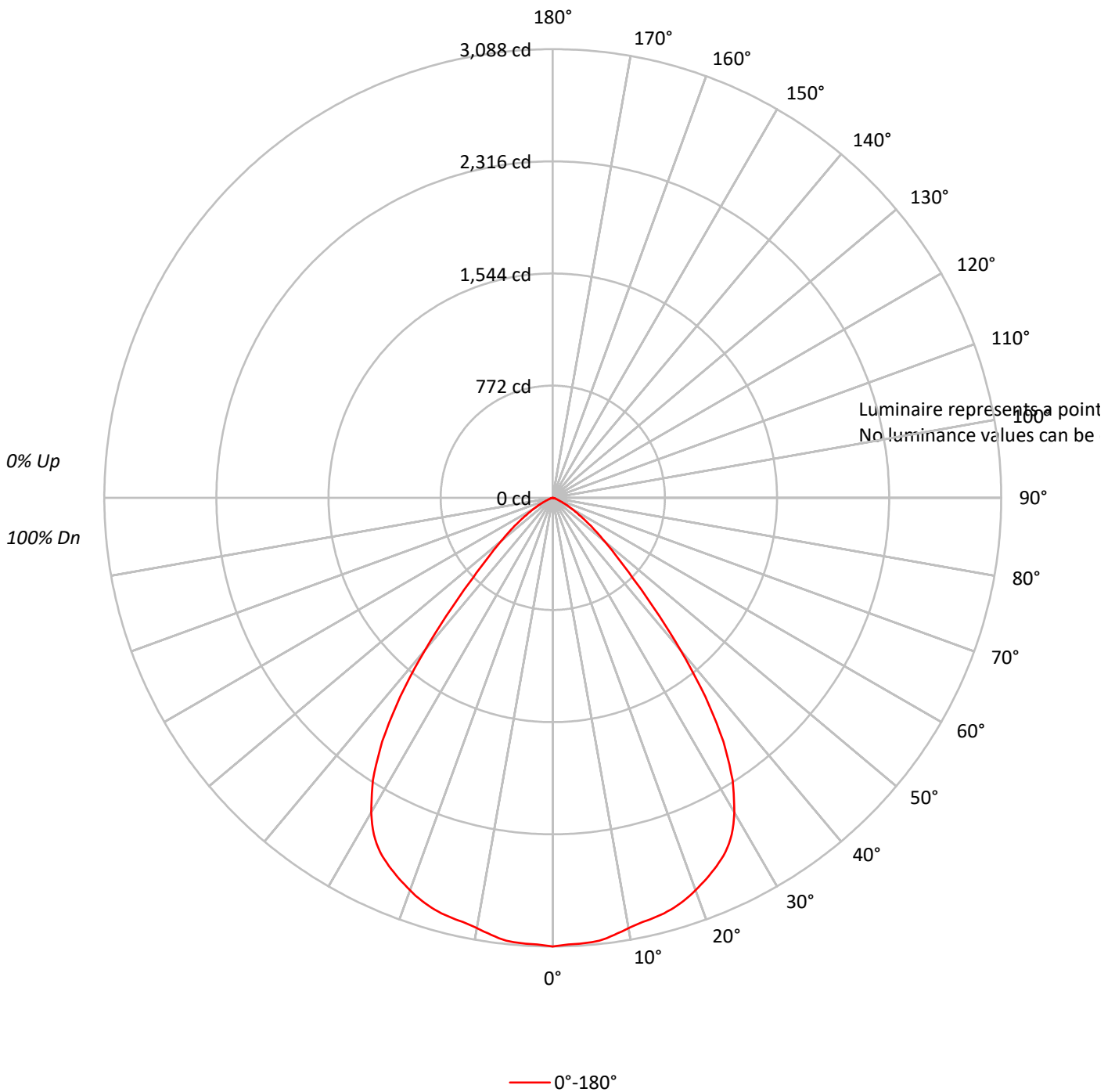
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	6.3
10°-20°	835.1	18.1
20°-30°	1256.7	27.3
30°-40°	1244.2	27.0
40°-50°	632.2	13.7
50°-60°	254.7	5.5
60°-70°	77.2	1.7
70°-80°	13.3	0.3
80°-90°	1.6	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°	2382.8	51.7
0°-40°	3627.0	78.7
0°-60°	4513.9	98.0
0°-90°	4606.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4606.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3088	
5°	3070	291
15°	2961	835
25°	2745	1257
35°	2048	1244
45°	775	632
55°	274	255
65°	71	77
75°	11	13
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3088.5
1°	3081.9
2°	3076.5
3°	3075.2
4°	3073.9
5°	3069.9
6°	3064.5
7°	3053.9
8°	3037.9
9°	3023.3
10°	3007.3
11°	2994.0
12°	2984.7
13°	2978.0
14°	2970.0
15°	2960.7
16°	2948.7
17°	2934.1
18°	2916.8
19°	2896.8
20°	2874.2
21°	2850.2
22°	2826.2
23°	2801.0
24°	2774.3
25°	2745.0
26°	2713.1
27°	2671.8
28°	2623.9
29°	2566.7
30°	2500.1
32.5°	2305.7
35°	2047.5
37.5°	1725.3
40°	1365.9
42.5°	1031.7
45°	774.8
47.5°	592.4
50°	464.6
52.5°	360.8
55°	274.2
57.5°	203.7
60°	153.1
62.5°	109.2
65°	70.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	43.9
70°	28.0
72.5°	17.3
75°	10.7
77.5°	6.7
80°	4.0
82.5°	2.7
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)