

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P786943

Luminaire Tested: LER6D02D010-EC6DR150210IC9030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D02D010-EC6DR150210IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 342.2 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 5.1
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: 24 FT

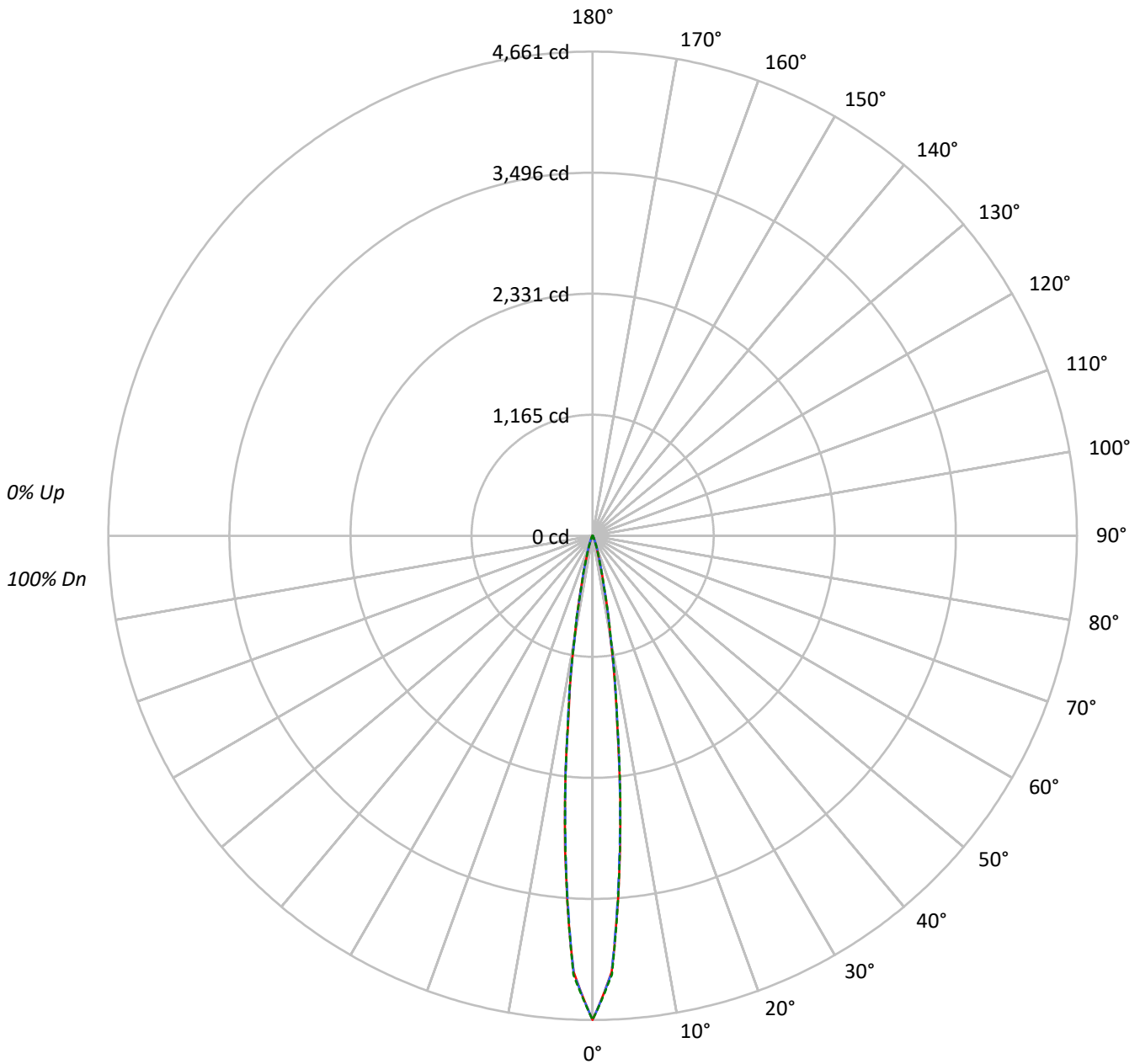


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	105	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	93	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	524444	524444	524444
5°	308190	304196	306604
10°	91983	92626	94045
15°	22878	23321	22609
20°	6849	7929	6988
25°	2415	3077	2446
30°	884	1168	899
35°	443	501	428
40°	277	305	277
45°	210	224	210
50°	167	167	167
55°	139	139	139
60°	112	112	112
65°	86	86	86
70°	73	73	73
75°	45	45	60
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 224 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.9	64.8
10°-20°	91.3	26.7
20°-30°	18.1	5.3
30°-40°	4.5	1.3
40°-50°	2.4	0.7
50°-60°	1.8	0.5
60°-70°	1.3	0.4
70°-80°	0.7	0.2
80°-90°	0.2	0.1
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°	331.3	96.8
0°-40°	335.8	98.1
0°-60°	340.0	99.4
0°-90°	342.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4661	4661	4661	4661	4661	
5°	3032	3001	2993	3014	3017	221
15°	263	268	268	264	260	90
25°	31	35	40	35	31	16
35°	6	6	7	6	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4660.9	4660.9	4660.9	4660.9	4660.9
2.5°	4204.3	4207.9	4209.2	4213.4	4228.8
5°	3032.5	3001.3	2993.2	3013.9	3016.9
7.5°	1796.3	1802.6	1825.7	1830.8	1812.3
10°	985.8	993.9	992.7	999.8	1007.9
12.5°	504.1	497.8	495.8	503.9	492.7
15°	263.4	268.3	268.5	263.8	260.3
17.5°	141.7	147.4	156.9	149.2	137.3
20°	83.7	88.8	96.9	90.6	85.4
22.5°	51.7	55.8	61.6	56.6	52.5
25°	31.0	35.1	39.5	34.9	31.4
27.5°	18.3	21.9	24.7	21.7	18.2
30°	11.8	13.8	15.6	13.6	12.0
32.5°	8.3	9.1	9.9	9.1	8.3
35°	6.1	6.5	6.9	6.5	5.9
37.5°	4.7	5.1	5.3	4.9	4.5
40°	3.9	4.1	4.3	4.1	3.9
42.5°	3.4	3.6	3.6	3.6	3.4
45°	3.0	3.0	3.2	3.0	3.0
47.5°	2.6	2.6	2.8	2.6	2.6
50°	2.4	2.4	2.4	2.4	2.4
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.0	2.0	2.0	2.0	2.0
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.8
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)