

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: P788842

Luminaire Tested: LER6D10D010-EC6DR150210IC9050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788842
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: LER6D10D010-EC6DR150210IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1090.0 lumens
Efficiency: N/A
Efficacy: 93.2 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): 11.7
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

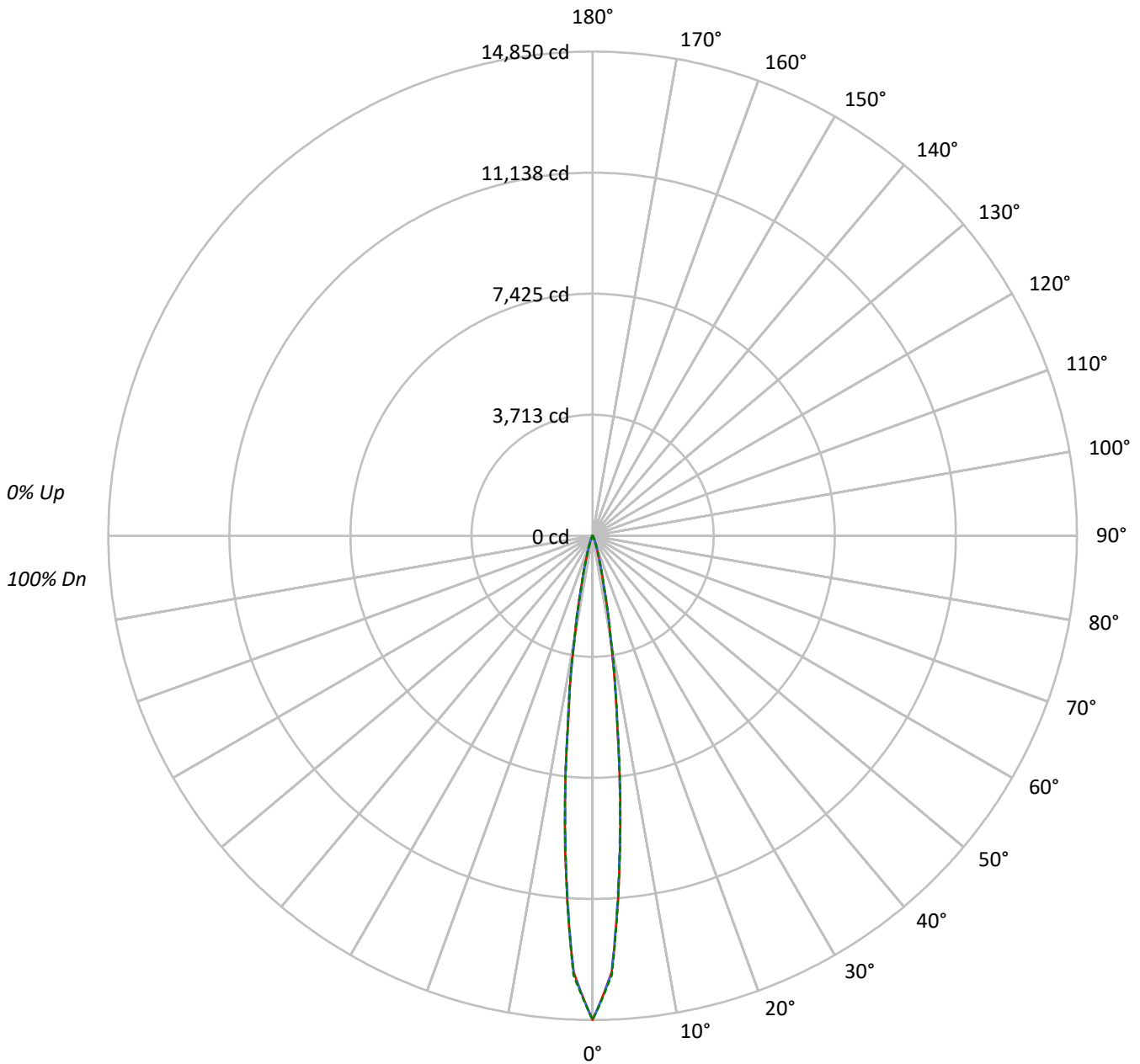


Downlight

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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	106	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	94	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	88	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°	1670966	1670966	1670966
5°	981938	969225	976898
10°	293060	295113	299629
15°	72899	74315	72022
20°	21814	25259	22272
25°	7689	9792	7790
30°	2823	3722	2868
35°	1416	1598	1373
40°	895	980	895
45°	658	707	658
50°	522	522	522
55°	439	439	439
60°	351	351	351
65°	271	271	271
70°	227	227	227
75°	144	144	189
80°	102	102	102
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.9	64.9
10°-20°	290.8	26.7
20°-30°	57.8	5.3
30°-40°	14.4	1.3
40°-50°	7.6	0.7
50°-60°	5.6	0.5
60°-70°	4.0	0.4
70°-80°	2.3	0.2
80°-90°	0.7	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°	1055.4	96.8
0°-40°	1069.8	98.2
0°-60°	1083.0	99.4
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14850	14850	14850	14850	14850	
5°	9662	9563	9537	9603	9612	706
15°	839	855	856	840	829	288
25°	99	112	126	111	100	52
35°	20	21	22	21	19	13
45°	9	9	10	9	9	7
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14850.4	14850.4	14850.4	14850.4	14850.4
2.5°	13395.7	13407.0	13411.4	13424.6	13473.6
5°	9662.0	9562.7	9536.9	9602.9	9612.4
7.5°	5723.4	5743.5	5817.1	5833.4	5774.3
10°	3140.8	3166.6	3162.8	3185.5	3211.2
12.5°	1606.2	1586.1	1579.8	1605.6	1569.8
15°	839.3	855.0	855.6	840.5	829.2
17.5°	451.4	469.6	499.8	475.3	437.6
20°	266.6	282.9	308.7	288.6	272.2
22.5°	164.7	177.9	196.1	180.4	167.2
25°	98.7	111.9	125.7	111.3	100.0
27.5°	58.5	69.8	78.6	69.2	57.8
30°	37.7	44.0	49.7	43.4	38.3
32.5°	26.4	28.9	31.4	28.9	26.4
35°	19.5	20.7	22.0	20.7	18.9
37.5°	15.1	16.3	17.0	15.7	14.5
40°	12.6	13.2	13.8	13.2	12.6
42.5°	10.7	11.3	11.3	11.3	10.7
45°	9.4	9.4	10.1	9.4	9.4
47.5°	8.2	8.2	8.8	8.2	8.2
50°	7.5	7.5	7.5	7.5	7.5
52.5°	6.9	6.9	6.9	6.9	6.9
55°	6.3	6.3	6.3	6.3	6.3
57.5°	5.7	5.7	5.7	5.7	5.7
60°	5.0	5.0	5.0	5.0	5.0
62.5°	4.4	4.4	4.4	4.4	4.4
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	3.1	3.1	3.1	3.1	3.1
72.5°	2.5	2.5	2.5	2.5	2.5
75°	1.9	1.9	1.9	1.9	2.5
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6
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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