

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: P769391

Luminaire Tested: LD6D60D010-EU6DR7055659040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR7055659040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5971.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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

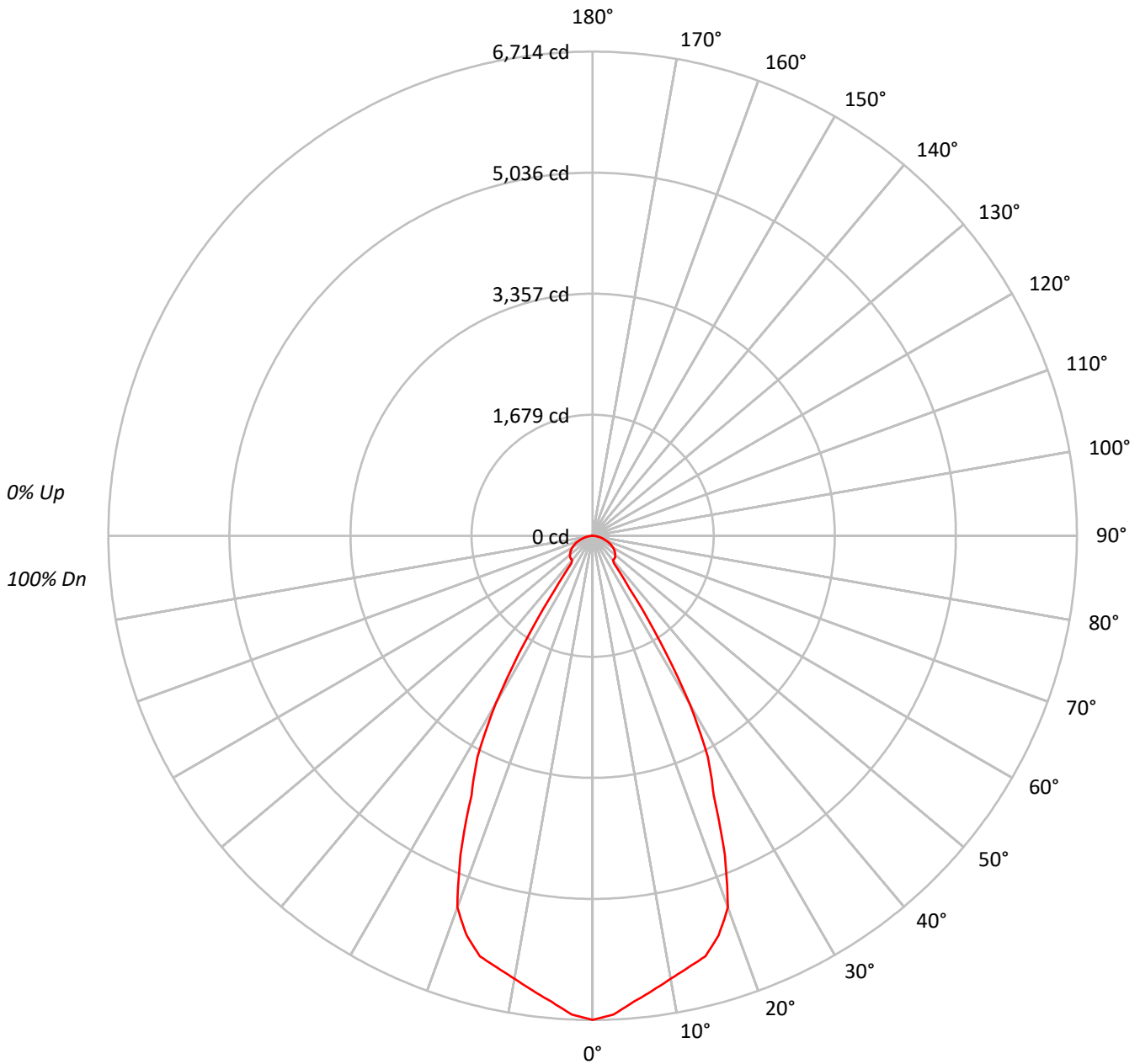


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	733522
5°	711723
10°	691883
15°	682808
20°	637606
25°	479005
30°	338610
35°	119938
40°	63071
45°	67169
50°	69556
55°	70862
60°	71304
65°	69804
70°	65872
75°	61043
80°	54175
85°	44002

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 71336 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.1	10.3
10°-20°	1678.9	28.1
20°-30°	1849.1	31.0
30°-40°	706.5	11.8
40°-50°	333.6	5.6
50°-60°	331.6	5.6
60°-70°	265.5	4.4
70°-80°	152.6	2.6
80°-90°	41.5	0.7
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°	4140.0	69.3
0°-40°	4846.5	81.2
0°-60°	5511.7	92.3
0°-90°	5971.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5971.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6714	
5°	6489	612
15°	6036	1679
25°	3973	1849
35°	899	706
45°	435	334
55°	372	332
65°	270	266
75°	145	153
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6713.5
2.5°	6643.3
5°	6489.2
7.5°	6360.6
10°	6236.2
12.5°	6131.0
15°	6036.4
17.5°	5807.9
20°	5483.7
22.5°	4784.3
25°	3973.3
27.5°	3458.8
30°	2683.9
32.5°	1733.6
35°	899.2
37.5°	485.8
40°	442.2
42.5°	439.0
45°	434.7
47.5°	425.2
50°	409.2
52.5°	391.2
55°	372.0
57.5°	350.8
60°	326.3
62.5°	298.7
65°	270.0
67.5°	238.1
70°	206.2
72.5°	174.3
75°	144.6
77.5°	113.7
80°	86.1
82.5°	60.6
85°	35.1
87.5°	13.8
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)