

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: P769287

Luminaire Tested: LD6D60D010-EU6DR6555659030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR6555659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5413.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

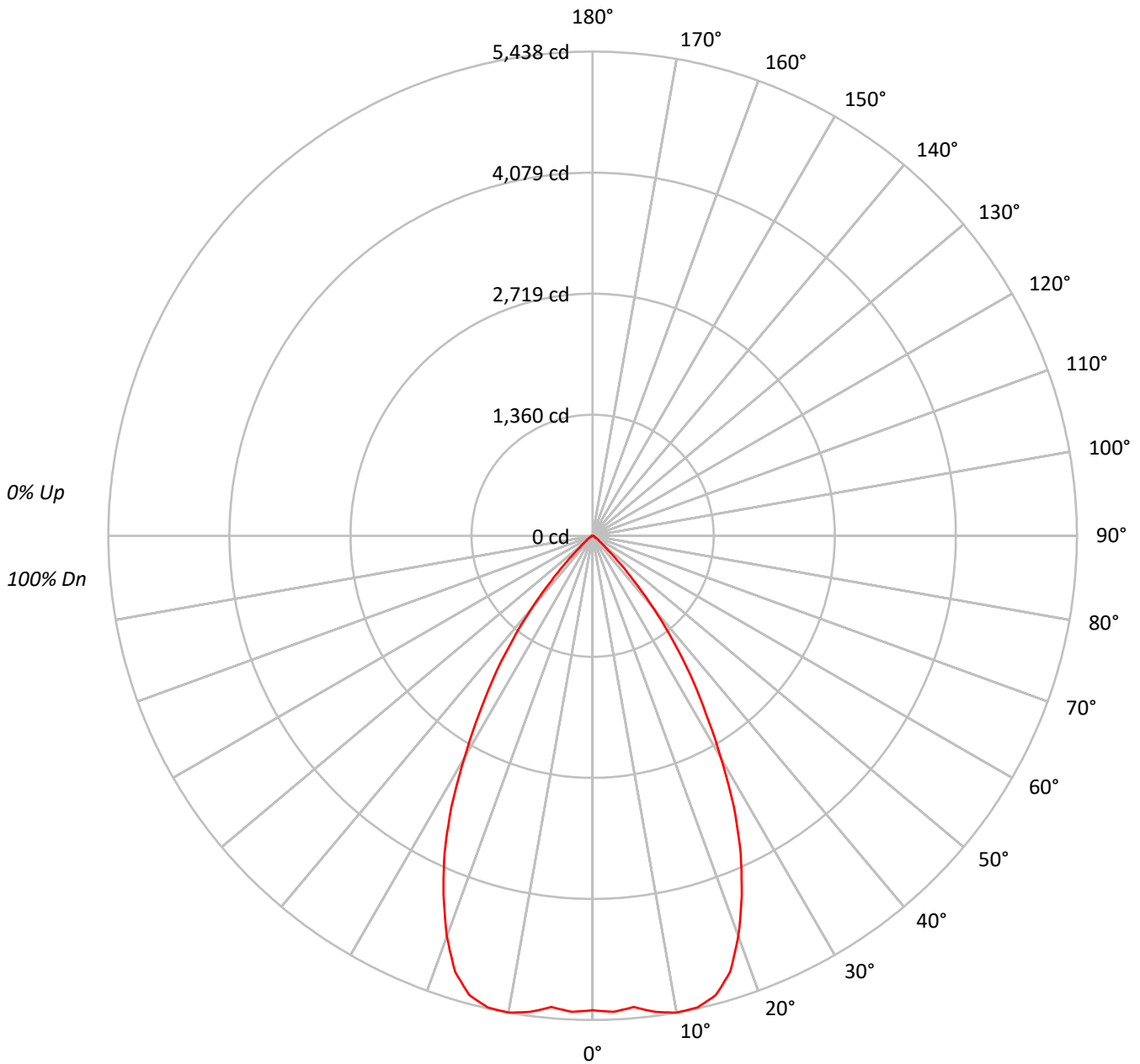


Downlight

TEST NUMBER: P769287

CATALOG NUMBER: LD6D60D010-EU6DR6555659030-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P769287

CATALOG NUMBER: LD6D60D010-EU6DR6555659030-6LBDP1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	582305
5°	582786
10°	603304
15°	604306
20°	556366
25°	474050
30°	362897
35°	256388
40°	151344
45°	61436
50°	22267
55°	12401
60°	7124
65°	3904
70°	4121
75°	3208
80°	3335
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 61436 cd/sqm



TEST NUMBER: P769287

CATALOG NUMBER: LD6D60D010-EU6DR6555659030-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.2	9.5
10°-20°	1480.3	27.3
20°-30°	1776.1	32.8
30°-40°	1193.6	22.1
40°-50°	357.3	6.6
50°-60°	63.1	1.2
60°-70°	17.9	0.3
70°-80°	8.8	0.2
80°-90°	2.8	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°	3769.6	69.6
0°-40°	4963.2	91.7
0°-60°	5383.5	99.5
0°-90°	5413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5413.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5330	
5°	5314	513
15°	5342	1480
25°	3932	1776
35°	1922	1194
45°	398	357
55°	65	63
65°	15	18
75°	8	9
85°	2	3
90°	0	



TEST NUMBER: P769287

CATALOG NUMBER: LD6D60D010-EU6DR6555659030-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5329.5
2.5°	5352.2
5°	5313.6
7.5°	5393.9
10°	5437.8
12.5°	5427.2
15°	5342.4
17.5°	5134.8
20°	4785.0
22.5°	4373.0
25°	3932.2
27.5°	3434.6
30°	2876.4
32.5°	2370.5
35°	1922.2
37.5°	1479.1
40°	1061.1
42.5°	693.0
45°	397.6
47.5°	210.5
50°	131.0
52.5°	90.9
55°	65.1
57.5°	47.0
60°	32.6
62.5°	21.2
65°	15.1
67.5°	13.6
70°	12.9
72.5°	9.8
75°	7.6
77.5°	6.8
80°	5.3
82.5°	3.8
85°	2.3
87.5°	1.5
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

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

Scaled Data Report



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)