

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: P770132

Luminaire Tested: LD6D65D010-EU6DR7055659027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770132
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: LD6D65D010-EU6DR7055659027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6060.3 lumens
Efficiency: N/A
Efficacy: 83.2 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): 72.8
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

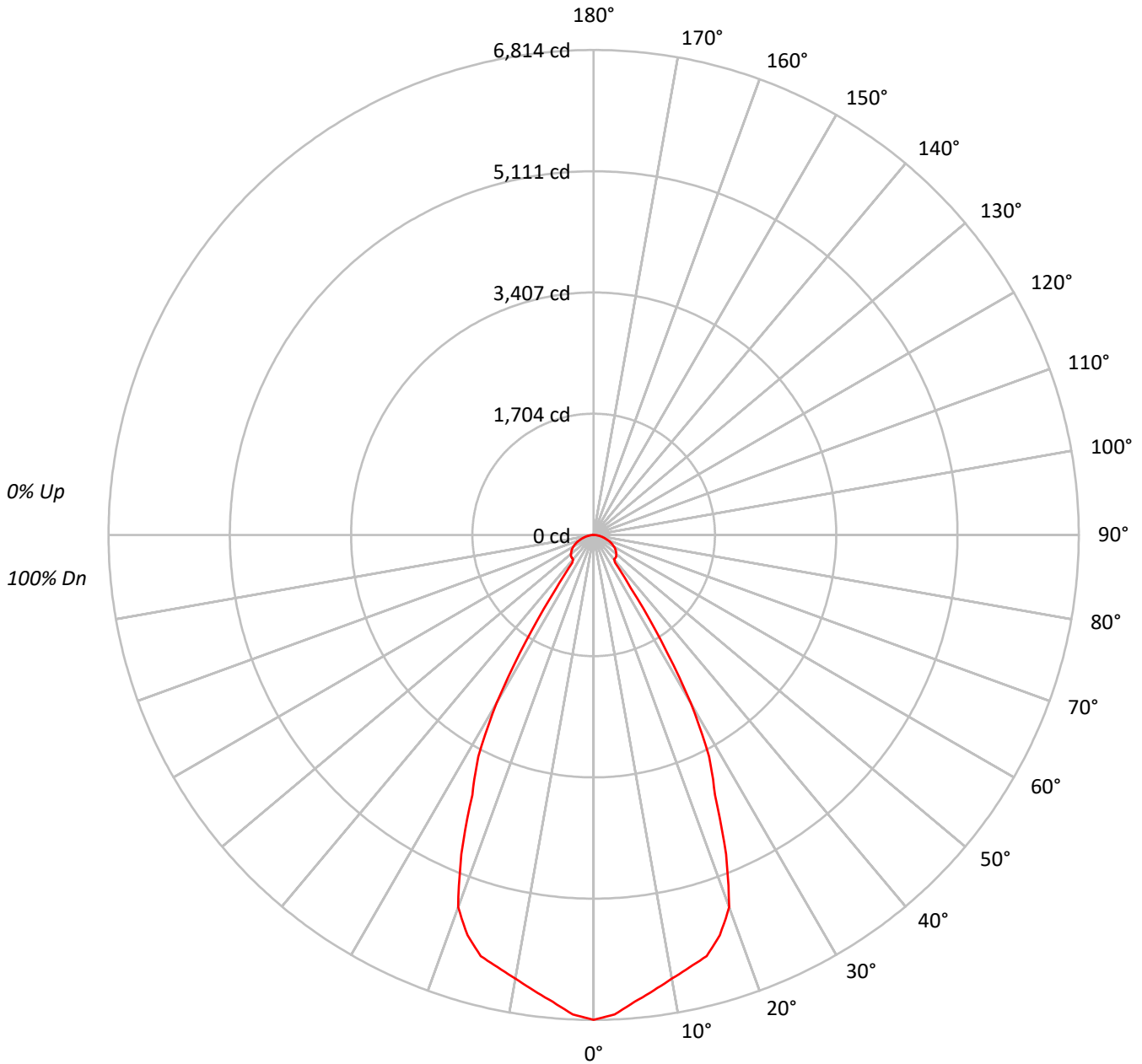


Downlight

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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	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°	744448
5°	722329
10°	702201
15°	692988
20°	647105
25°	486142
30°	343657
35°	121725
40°	64012
45°	68173
50°	70593
55°	71929
60°	72374
65°	70838
70°	66862
75°	61930
80°	54993
85°	44629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 72393 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.2	10.3
10°-20°	1703.9	28.1
20°-30°	1876.6	31.0
30°-40°	717.0	11.8
40°-50°	338.5	5.6
50°-60°	336.6	5.6
60°-70°	269.5	4.4
70°-80°	154.9	2.6
80°-90°	42.1	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°	4201.7	69.3
0°-40°	4918.7	81.2
0°-60°	5593.9	92.3
0°-90°	6060.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6060.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6814	
5°	6586	621
15°	6126	1704
25°	4032	1877
35°	913	717
45°	441	339
55°	378	337
65°	274	269
75°	147	155
85°	36	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6813.5
2.5°	6742.3
5°	6585.9
7.5°	6455.4
10°	6329.2
12.5°	6222.4
15°	6126.4
17.5°	5894.4
20°	5565.4
22.5°	4855.6
25°	4032.5
27.5°	3510.3
30°	2723.9
32.5°	1759.5
35°	912.6
37.5°	493.0
40°	448.8
42.5°	445.5
45°	441.2
47.5°	431.5
50°	415.3
52.5°	397.0
55°	377.6
57.5°	356.0
60°	331.2
62.5°	303.1
65°	274.0
67.5°	241.6
70°	209.3
72.5°	176.9
75°	146.7
77.5°	115.4
80°	87.4
82.5°	61.5
85°	35.6
87.5°	14.0
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)