

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: P770158

Luminaire Tested: LD6D65D010-EU6DR7055659035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770158
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-EU6DR7055659035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6309.2 lumens
Efficiency: N/A
Efficacy: 86.7 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

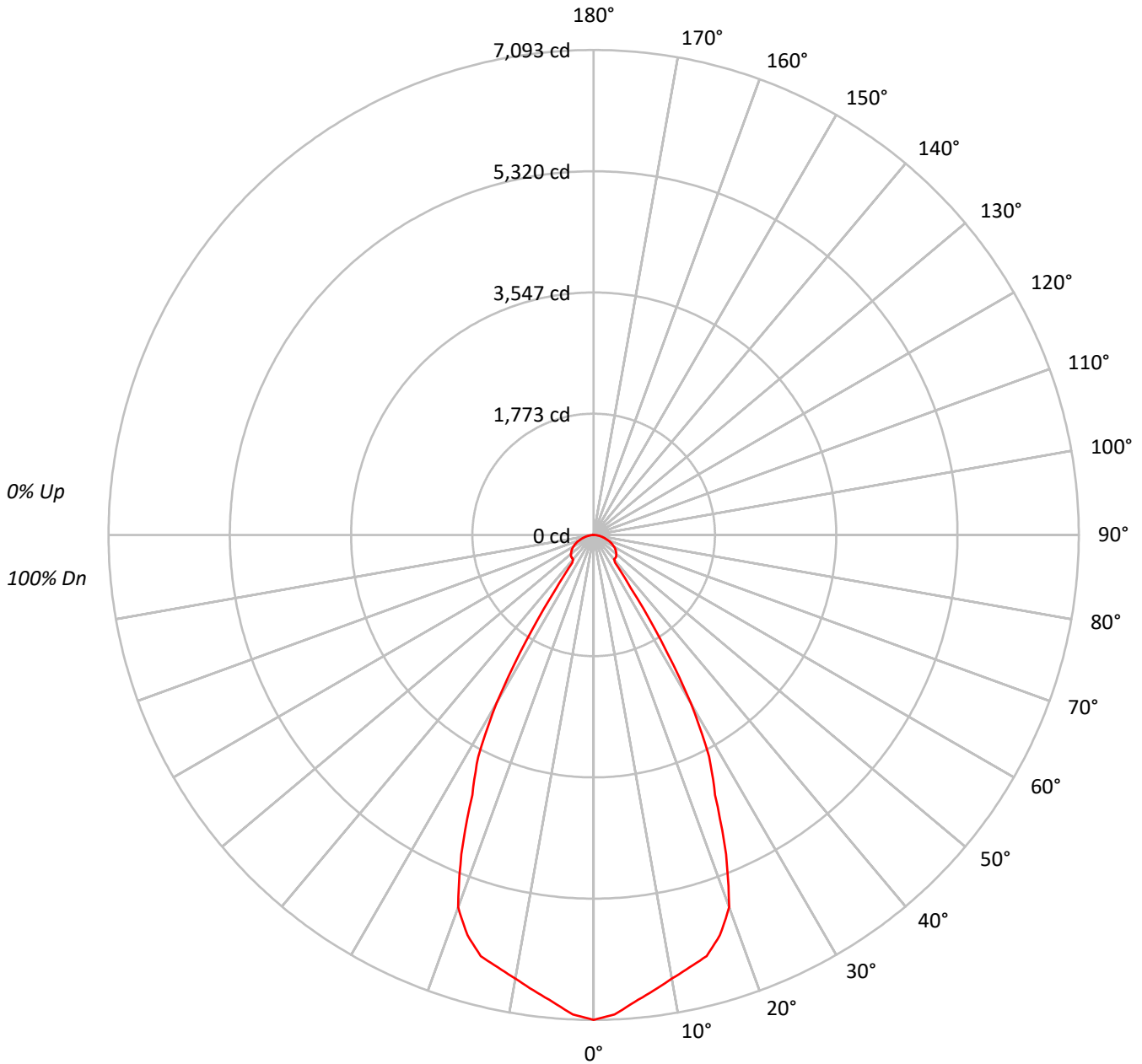
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	775030
5°	751997
10°	731036
15°	721448
20°	673685
25°	506106
30°	357774
35°	126727
40°	66637
45°	70970
50°	73499
55°	74882
60°	75346
65°	73759
70°	69610
75°	64462
80°	57258
85°	46510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 75362 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.7	10.3
10°-20°	1773.9	28.1
20°-30°	1953.7	31.0
30°-40°	746.4	11.8
40°-50°	352.4	5.6
50°-60°	350.4	5.6
60°-70°	280.6	4.4
70°-80°	161.2	2.6
80°-90°	43.8	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°	4374.3	69.3
0°-40°	5120.7	81.2
0°-60°	5823.6	92.3
0°-90°	6309.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6309.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7093	
5°	6856	647
15°	6378	1774
25°	4198	1954
35°	950	746
45°	459	352
55°	393	350
65°	285	281
75°	153	161
85°	37	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7093.4
2.5°	7019.3
5°	6856.4
7.5°	6720.5
10°	6589.1
12.5°	6477.9
15°	6378.0
17.5°	6136.5
20°	5794.0
22.5°	5055.0
25°	4198.1
27.5°	3654.5
30°	2835.8
32.5°	1831.7
35°	950.1
37.5°	513.2
40°	467.2
42.5°	463.8
45°	459.3
47.5°	449.2
50°	432.4
52.5°	413.3
55°	393.1
57.5°	370.6
60°	344.8
62.5°	315.6
65°	285.3
67.5°	251.6
70°	217.9
72.5°	184.2
75°	152.7
77.5°	120.2
80°	91.0
82.5°	64.0
85°	37.1
87.5°	14.6
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)