

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: P768624

Luminaire Tested: LD6D55D010-EU6DR7055659050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768624
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: LD6D55D010-EU6DR7055659050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5469.1 lumens
Efficiency: N/A
Efficacy: 94.0 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): 58.2
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

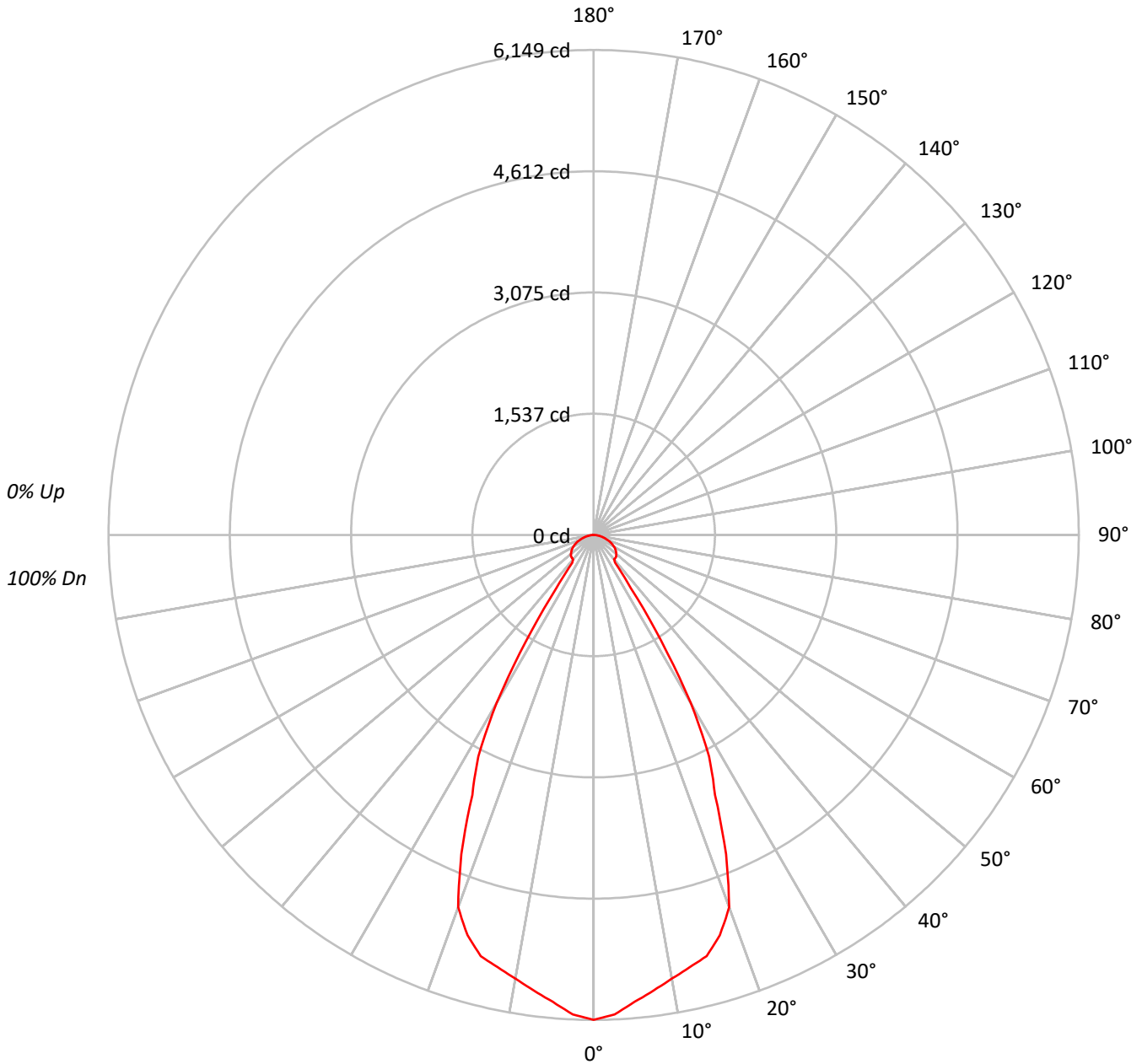


Downlight

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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°	671823
5°	651861
10°	633692
15°	625368
20°	583969
25°	438703
30°	310122
35°	109854
40°	57765
45°	61529
50°	63708
55°	64900
60°	65316
65°	63935
70°	60345
75°	55893
80°	49644
85°	40241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 65337 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.6	10.3
10°-20°	1537.7	28.1
20°-30°	1693.5	31.0
30°-40°	647.0	11.8
40°-50°	305.5	5.6
50°-60°	303.8	5.6
60°-70°	243.2	4.4
70°-80°	139.8	2.6
80°-90°	38.0	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°	3791.8	69.3
0°-40°	4438.8	81.2
0°-60°	5048.1	92.3
0°-90°	5469.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5469.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6149	
5°	5943	561
15°	5529	1538
25°	3639	1694
35°	824	647
45°	398	306
55°	341	304
65°	247	243
75°	132	140
85°	32	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6148.8
2.5°	6084.5
5°	5943.4
7.5°	5825.6
10°	5711.7
12.5°	5615.3
15°	5528.6
17.5°	5319.3
20°	5022.4
22.5°	4381.8
25°	3639.0
27.5°	3167.8
30°	2458.1
32.5°	1587.8
35°	823.6
37.5°	444.9
40°	405.0
42.5°	402.1
45°	398.2
47.5°	389.4
50°	374.8
52.5°	358.3
55°	340.7
57.5°	321.3
60°	298.9
62.5°	273.6
65°	247.3
67.5°	218.1
70°	188.9
72.5°	159.7
75°	132.4
77.5°	104.2
80°	78.9
82.5°	55.5
85°	32.1
87.5°	12.7
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)