

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: P771744

Luminaire Tested: LD6D75BD010-EU6DR7070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771744
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: LD6D75BD010-EU6DR7070959050-6LBDP1MW
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: 7165.8 lumens
Efficiency: N/A
Efficacy: 99.0 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): 72.4
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

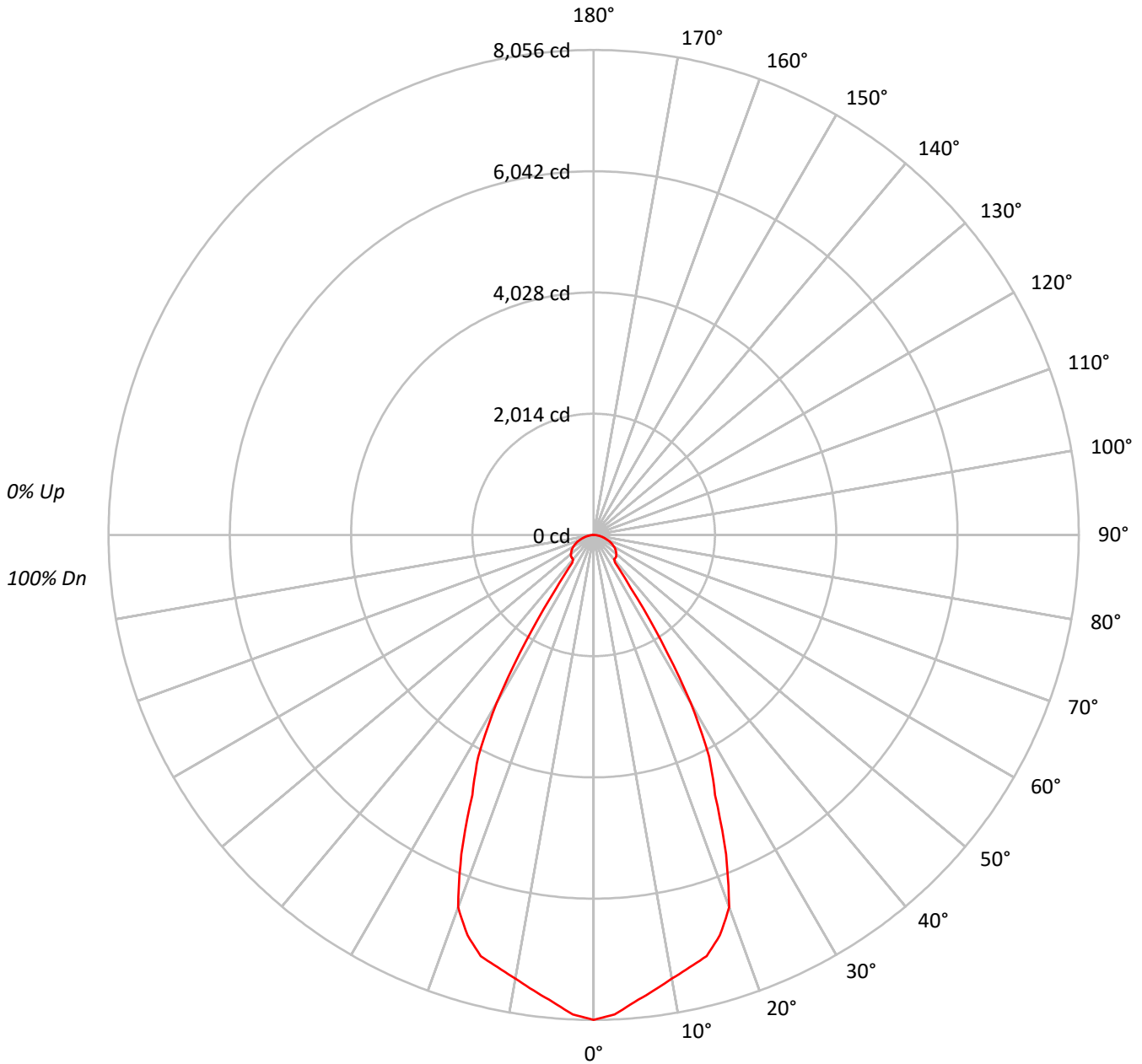


Downlight

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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°	880259
5°	854107
10°	830300
15°	819405
20°	765157
25°	574823
30°	406347
35°	143933
40°	75679
45°	80612
50°	83477
55°	85035
60°	85573
65°	83765
70°	79066
75°	73243
80°	64997
85°	52778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 85591 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.5	10.3
10°-20°	2014.7	28.1
20°-30°	2219.0	31.0
30°-40°	847.8	11.8
40°-50°	400.3	5.6
50°-60°	398.0	5.6
60°-70°	318.6	4.4
70°-80°	183.1	2.6
80°-90°	49.8	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°	4968.2	69.3
0°-40°	5816.0	81.2
0°-60°	6614.3	92.3
0°-90°	7165.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7165.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8056	
5°	7787	735
15°	7244	2015
25°	4768	2219
35°	1079	848
45°	522	400
55°	446	398
65°	324	319
75°	174	183
85°	42	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8056.5
2.5°	7972.3
5°	7787.4
7.5°	7633.0
10°	7483.8
12.5°	7357.5
15°	7244.0
17.5°	6969.7
20°	6580.7
22.5°	5741.3
25°	4768.1
27.5°	4150.7
30°	3220.8
32.5°	2080.5
35°	1079.1
37.5°	582.9
40°	530.6
42.5°	526.8
45°	521.7
47.5°	510.2
50°	491.1
52.5°	469.4
55°	446.4
57.5°	420.9
60°	391.6
62.5°	358.4
65°	324.0
67.5°	285.7
70°	247.5
72.5°	209.2
75°	173.5
77.5°	136.5
80°	103.3
82.5°	72.7
85°	42.1
87.5°	16.6
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)