

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: P771677

Luminaire Tested: LD6D75BD010-EU6DR7070959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771677
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-EU6DR7070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7379.1 lumens
Efficiency: N/A
Efficacy: 101.9 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

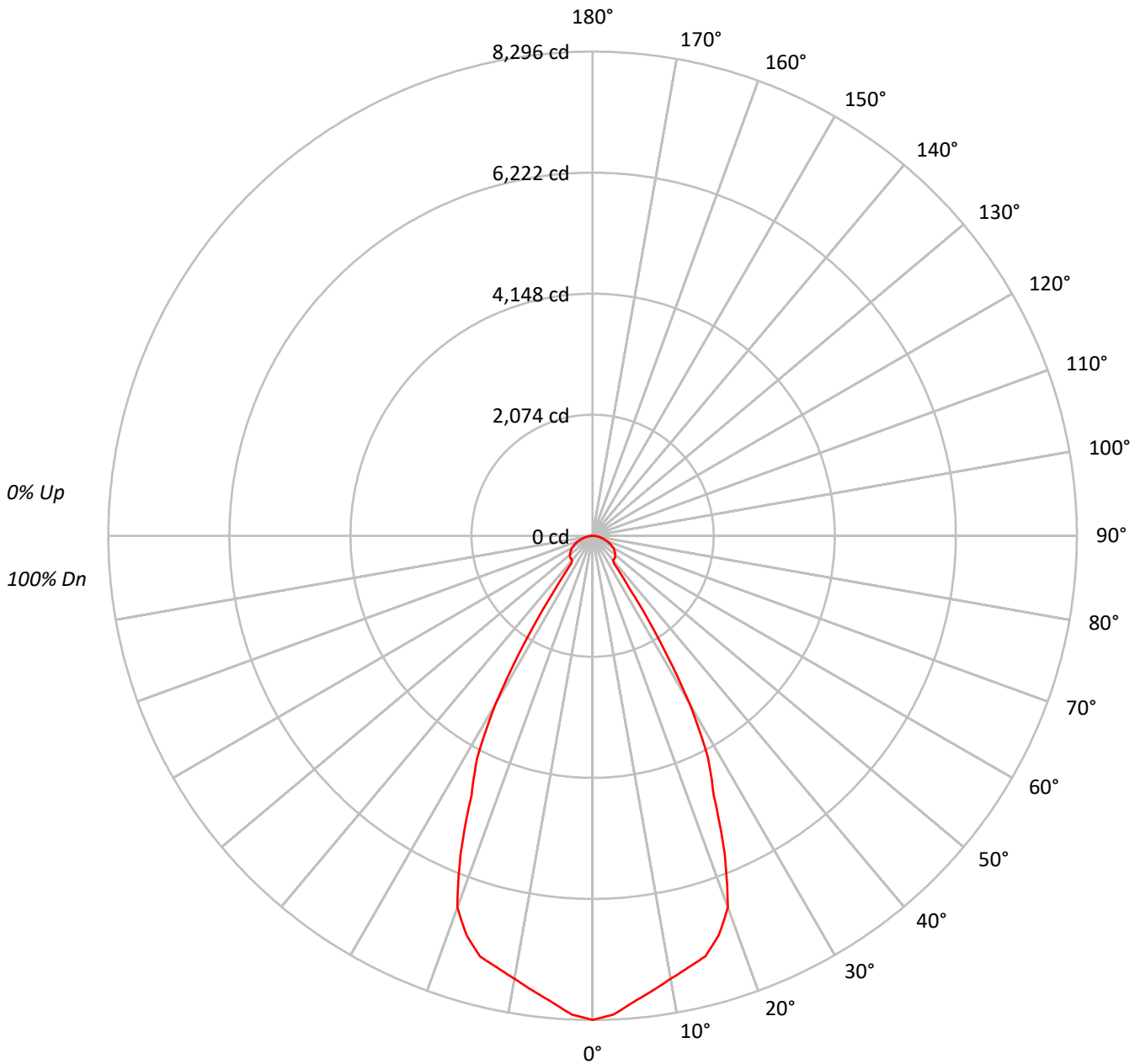


Downlight

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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	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°	906460
5°	879520
10°	855007
15°	843782
20°	787923
25°	591929
30°	418446
35°	148215
40°	77933
45°	83007
50°	85959
55°	87568
60°	88130
65°	86247
70°	81398
75°	75396
80°	66948
85°	54282

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 88153 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.4	10.3
10°-20°	2074.7	28.1
20°-30°	2285.0	31.0
30°-40°	873.0	11.8
40°-50°	412.2	5.6
50°-60°	409.8	5.6
60°-70°	328.1	4.4
70°-80°	188.6	2.6
80°-90°	51.3	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°	5116.1	69.3
0°-40°	5989.1	81.2
0°-60°	6811.2	92.3
0°-90°	7379.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7379.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8296	
5°	8019	756
15°	7460	2075
25°	4910	2285
35°	1111	873
45°	537	412
55°	460	410
65°	334	328
75°	179	189
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8296.3
2.5°	8209.6
5°	8019.1
7.5°	7860.2
10°	7706.5
12.5°	7576.5
15°	7459.5
17.5°	7177.1
20°	6776.5
22.5°	5912.2
25°	4910.0
27.5°	4274.2
30°	3316.7
32.5°	2142.4
35°	1111.2
37.5°	600.3
40°	546.4
42.5°	542.5
45°	537.2
47.5°	525.4
50°	505.7
52.5°	483.4
55°	459.7
57.5°	433.5
60°	403.3
62.5°	369.1
65°	333.6
67.5°	294.2
70°	254.8
72.5°	215.4
75°	178.6
77.5°	140.5
80°	106.4
82.5°	74.9
85°	43.3
87.5°	17.1
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)