

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: P771690

Luminaire Tested: LD6D75BD010-EU6DR7070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771690
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-EU6DR7070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8358.9 lumens
Efficiency: N/A
Efficacy: 115.5 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

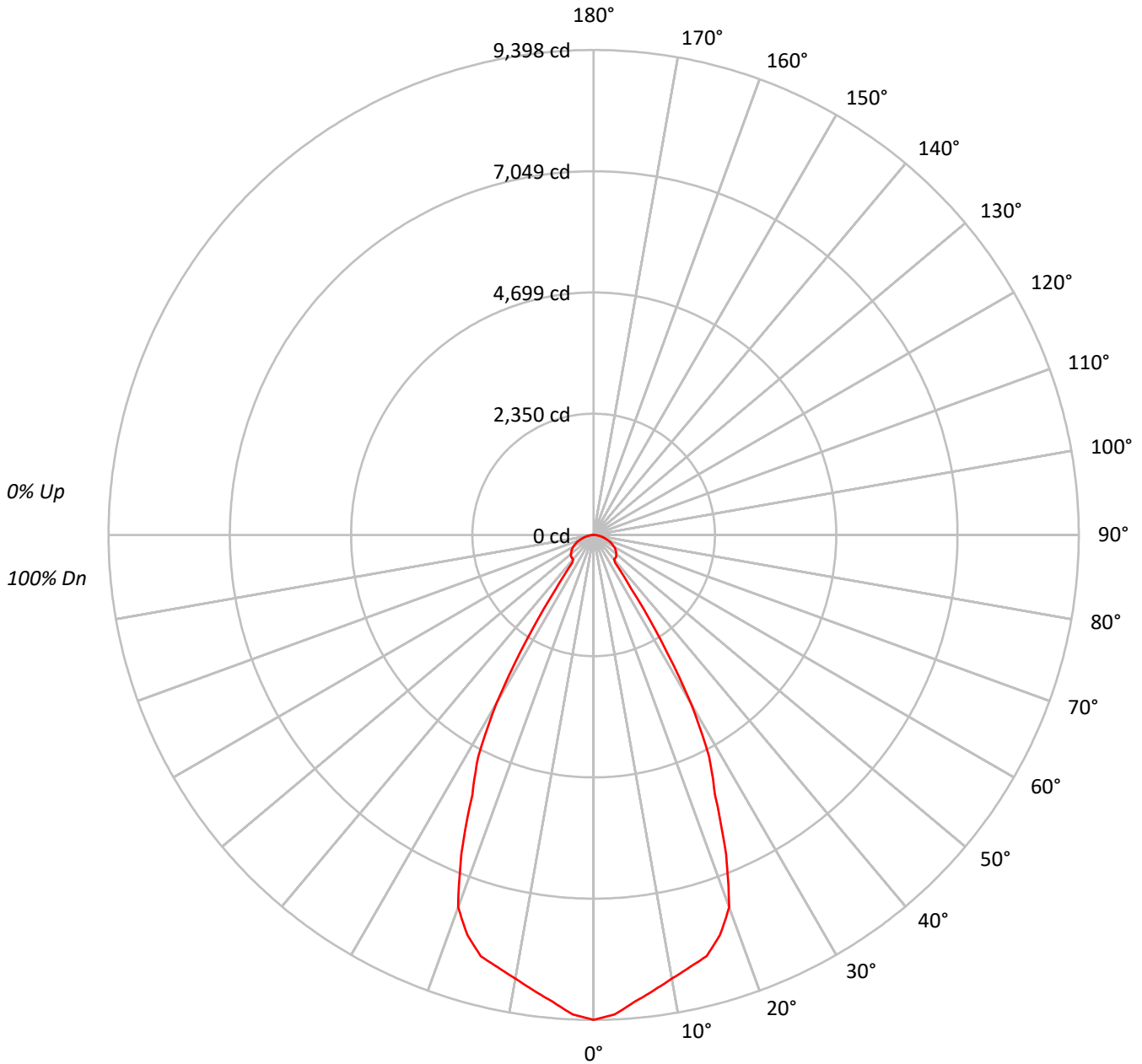


Downlight

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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
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°	1026811
5°	996305
10°	968539
15°	955822
20°	892545
25°	670520
30°	474009
35°	167902
40°	88288
45°	94040
50°	97381
55°	99207
60°	99821
65°	97700
70°	92227
75°	85443
80°	75820
85°	61553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 99846 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.8	10.3
10°-20°	2350.2	28.1
20°-30°	2588.4	31.0
30°-40°	989.0	11.8
40°-50°	467.0	5.6
50°-60°	464.3	5.6
60°-70°	371.7	4.4
70°-80°	213.6	2.6
80°-90°	58.1	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°	5795.4	69.3
0°-40°	6784.3	81.2
0°-60°	7715.6	92.3
0°-90°	8358.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8358.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9398	
5°	9084	857
15°	8450	2350
25°	5562	2588
35°	1259	989
45°	609	467
55°	521	464
65°	378	372
75°	202	214
85°	49	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9397.8
2.5°	9299.6
5°	9083.9
7.5°	8903.8
10°	8729.8
12.5°	8582.5
15°	8450.0
17.5°	8130.1
20°	7676.3
22.5°	6697.2
25°	5561.9
27.5°	4841.8
30°	3757.1
32.5°	2426.8
35°	1258.8
37.5°	680.0
40°	619.0
42.5°	614.5
45°	608.6
47.5°	595.2
50°	572.9
52.5°	547.6
55°	520.8
57.5°	491.0
60°	456.8
62.5°	418.1
65°	377.9
67.5°	333.3
70°	288.7
72.5°	244.0
75°	202.4
77.5°	159.2
80°	120.5
82.5°	84.8
85°	49.1
87.5°	19.3
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)