

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: P771742

Luminaire Tested: LD6D75BD010-EU6DR7070959050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771742
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-EU6DR7070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9174.1 lumens
Efficiency: N/A
Efficacy: 126.7 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

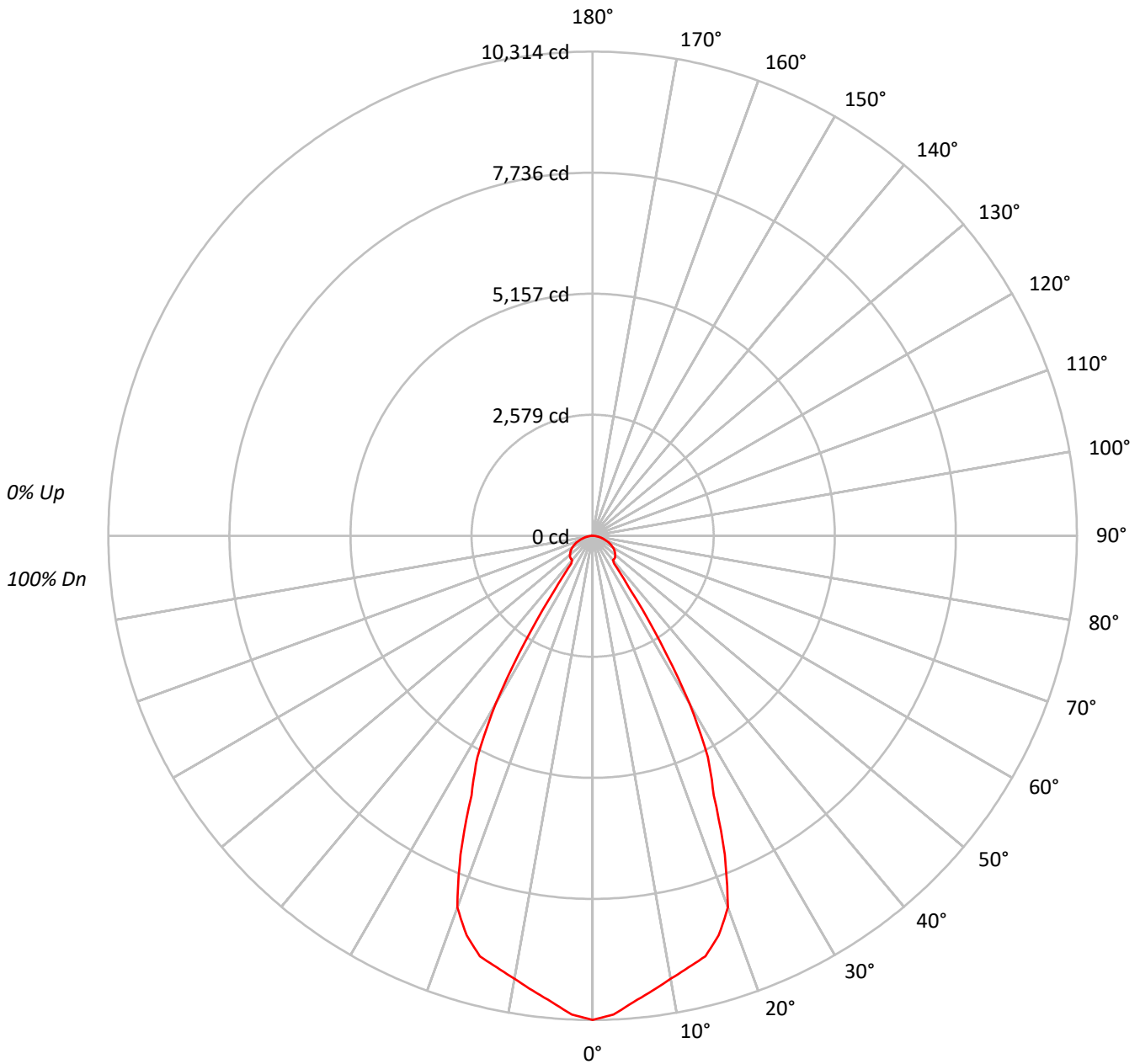
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1126959
5°	1093469
10°	1062998
15°	1049040
20°	979587
25°	735921
30°	520235
35°	184282
40°	96903
45°	103203
50°	106866
55°	108884
60°	109545
65°	107239
70°	101204
75°	93760
80°	83244
85°	67570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 109586 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.4	10.3
10°-20°	2579.4	28.1
20°-30°	2840.9	31.0
30°-40°	1085.4	11.8
40°-50°	512.5	5.6
50°-60°	509.5	5.6
60°-70°	407.9	4.4
70°-80°	234.4	2.6
80°-90°	63.7	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°	6360.6	69.3
0°-40°	7446.0	81.2
0°-60°	8468.0	92.3
0°-90°	9174.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9174.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10314	
5°	9970	940
15°	9274	2579
25°	6104	2841
35°	1382	1085
45°	668	513
55°	572	510
65°	415	408
75°	222	234
85°	54	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10314.4
2.5°	10206.6
5°	9969.8
7.5°	9772.2
10°	9581.2
12.5°	9419.5
15°	9274.1
17.5°	8923.0
20°	8424.9
22.5°	7350.4
25°	6104.4
27.5°	5314.0
30°	4123.5
32.5°	2663.5
35°	1381.6
37.5°	746.3
40°	679.4
42.5°	674.5
45°	667.9
47.5°	653.2
50°	628.7
52.5°	601.0
55°	571.6
57.5°	538.9
60°	501.3
62.5°	458.9
65°	414.8
67.5°	365.8
70°	316.8
72.5°	267.8
75°	222.1
77.5°	174.7
80°	132.3
82.5°	93.1
85°	53.9
87.5°	21.2
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)