

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: P771704

Luminaire Tested: LD6D75BD010-EU6DR7070959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771704
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-EU6DR7070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9042.1 lumens
Efficiency: N/A
Efficacy: 124.9 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

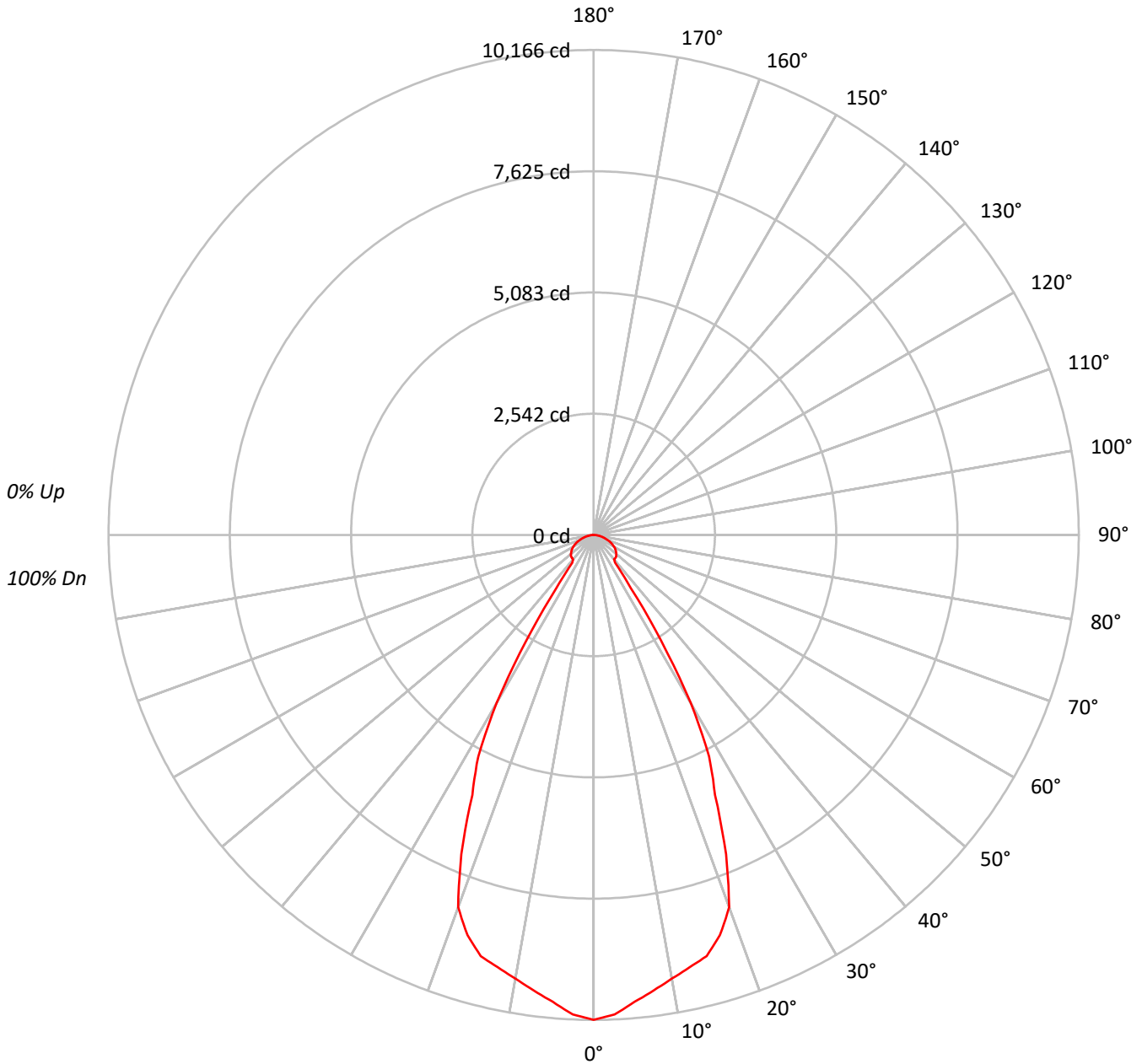
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1110734
5°	1077730
10°	1047699
15°	1033951
20°	965495
25°	725325
30°	512741
35°	181627
40°	95505
45°	101719
50°	105336
55°	107303
60°	107971
65°	105688
70°	99766
75°	92409
80°	82049
85°	66568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 108020 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	926.8	10.3
10°-20°	2542.3	28.1
20°-30°	2800.0	31.0
30°-40°	1069.8	11.8
40°-50°	505.1	5.6
50°-60°	502.2	5.6
60°-70°	402.0	4.4
70°-80°	231.1	2.6
80°-90°	62.8	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°	6269.1	69.3
0°-40°	7338.9	81.2
0°-60°	8346.1	92.3
0°-90°	9042.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9042.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10166	
5°	9826	927
15°	9141	2542
25°	6016	2800
35°	1362	1070
45°	658	505
55°	563	502
65°	409	402
75°	219	231
85°	53	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10165.9
2.5°	10059.7
5°	9826.3
7.5°	9631.6
10°	9443.3
12.5°	9283.9
15°	9140.7
17.5°	8794.6
20°	8303.7
22.5°	7244.6
25°	6016.5
27.5°	5237.5
30°	4064.1
32.5°	2625.2
35°	1361.7
37.5°	735.6
40°	669.6
42.5°	664.7
45°	658.3
47.5°	643.8
50°	619.7
52.5°	592.3
55°	563.3
57.5°	531.2
60°	494.1
62.5°	452.3
65°	408.8
67.5°	360.5
70°	312.3
72.5°	264.0
75°	218.9
77.5°	172.2
80°	130.4
82.5°	91.7
85°	53.1
87.5°	20.9
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)