

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P771705

Luminaire Tested: LD6D75BD010-EU6DR7070959030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771705
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-EU6DR7070959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6726.4 lumens
Efficiency: N/A
Efficacy: 92.9 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

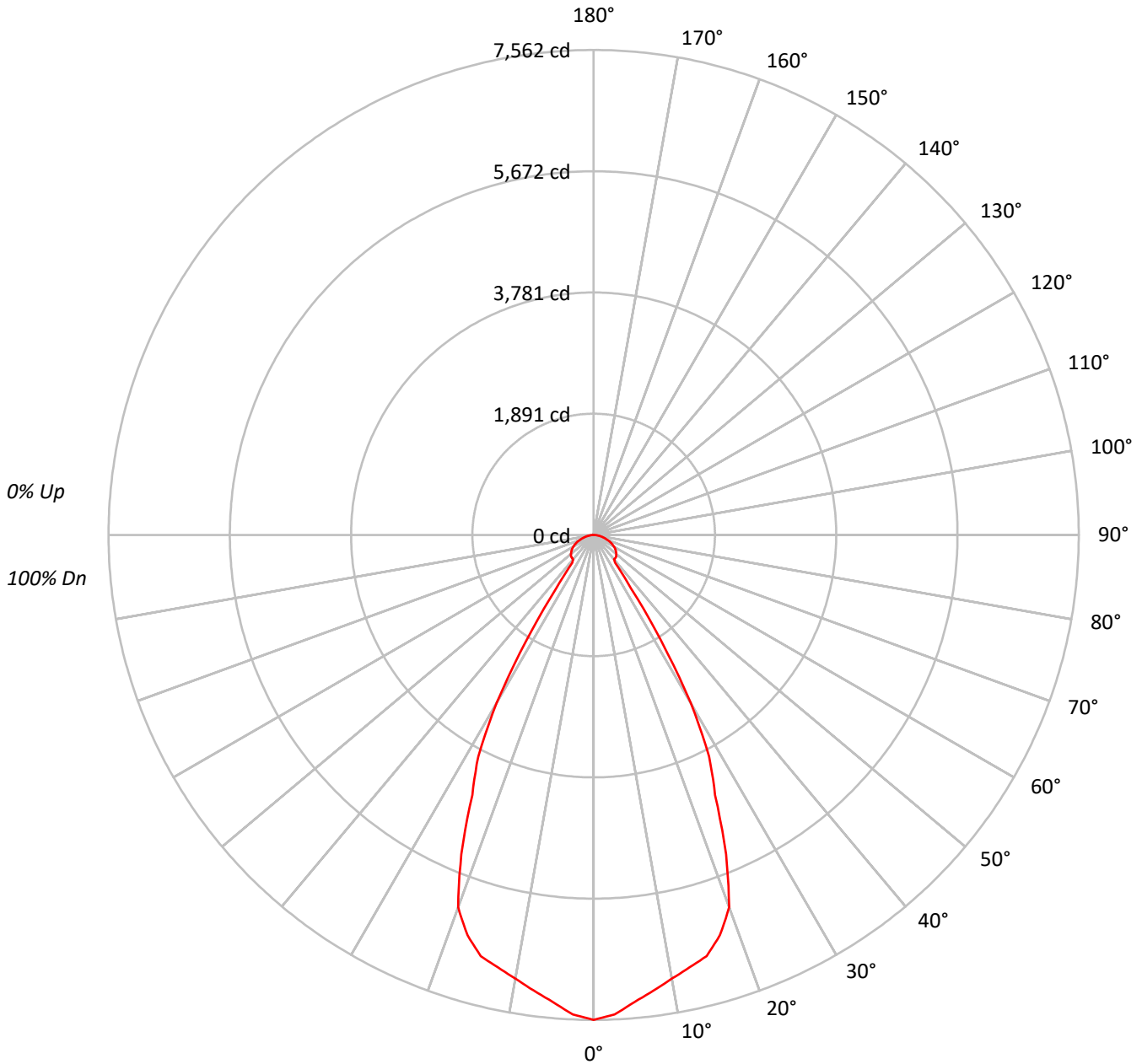
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	826274
5°	801725
10°	779375
15°	769148
20°	718229
25°	539572
30°	381430
35°	135117
40°	71044
45°	75667
50°	78361
55°	79834
60°	80329
65°	78620
70°	74210
75°	68726
80°	61033
85°	49518

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 80344 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.5	10.3
10°-20°	1891.2	28.1
20°-30°	2082.9	31.0
30°-40°	795.8	11.8
40°-50°	375.8	5.6
50°-60°	373.6	5.6
60°-70°	299.1	4.4
70°-80°	171.9	2.6
80°-90°	46.7	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°	4663.5	69.3
0°-40°	5459.4	81.2
0°-60°	6208.7	92.3
0°-90°	6726.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6726.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7562	
5°	7310	689
15°	6800	1891
25°	4476	2083
35°	1013	796
45°	490	376
55°	419	374
65°	304	299
75°	163	172
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7562.4
2.5°	7483.4
5°	7309.8
7.5°	7164.9
10°	7024.8
12.5°	6906.3
15°	6799.7
17.5°	6542.3
20°	6177.1
22.5°	5389.2
25°	4475.7
27.5°	3896.2
30°	3023.3
32.5°	1952.9
35°	1013.0
37.5°	547.2
40°	498.1
42.5°	494.5
45°	489.7
47.5°	478.9
50°	461.0
52.5°	440.6
55°	419.1
57.5°	395.1
60°	367.6
62.5°	336.5
65°	304.1
67.5°	268.2
70°	232.3
72.5°	196.4
75°	162.8
77.5°	128.1
80°	97.0
82.5°	68.2
85°	39.5
87.5°	15.6
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)