

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: P771083

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR3070959030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8769.5 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

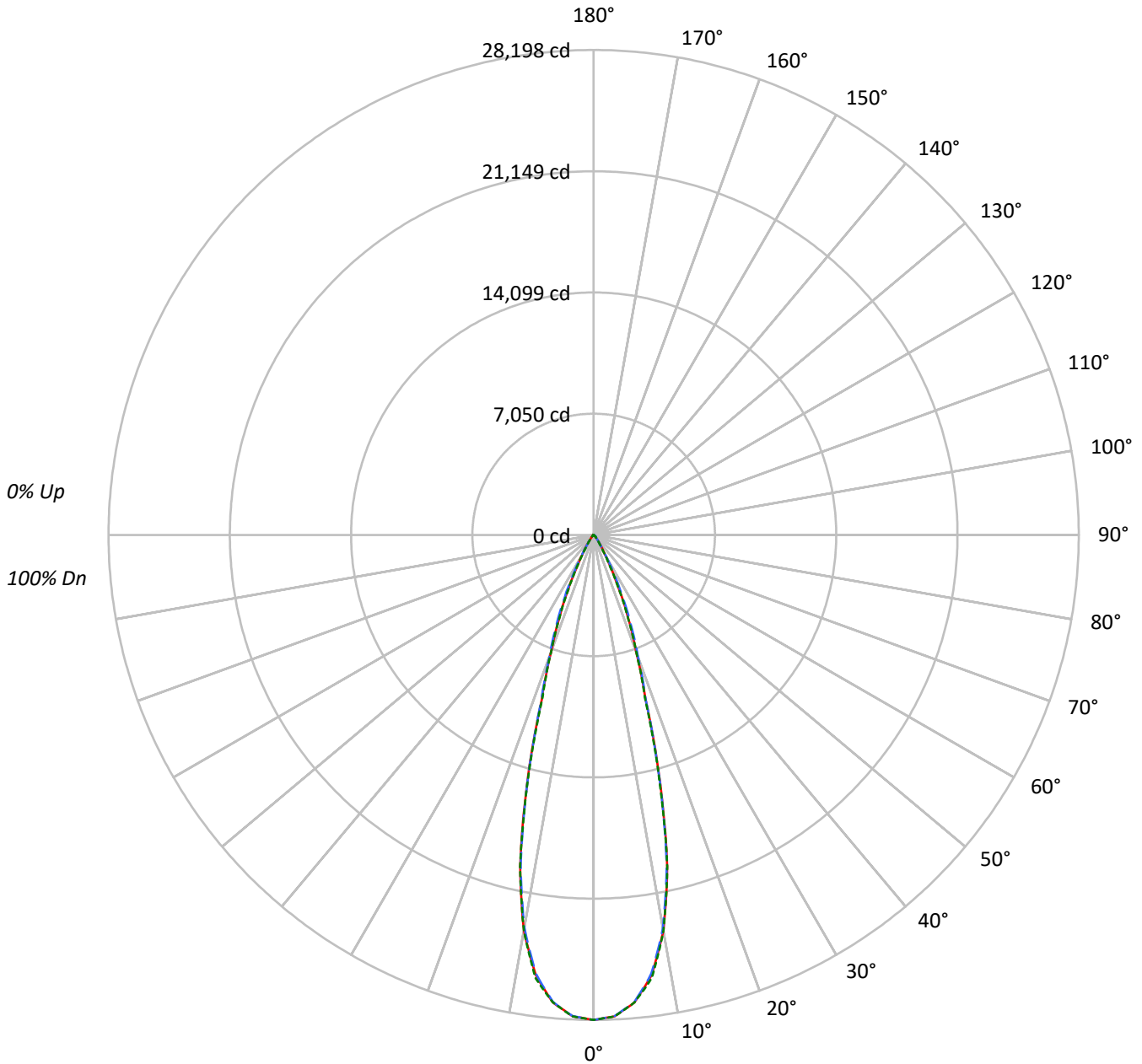
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2158386	2158386	2158386
5°	2096426	2093975	2096533
10°	1815824	1803015	1815389
15°	1184731	1178368	1172448
20°	589113	611212	588323
25°	296754	334641	290673
30°	118816	129457	103516
35°	55112	52786	44245
40°	23791	26419	22412
45°	16789	20827	16930
50°	5775	15171	6097
55°	3323	6285	3510
60°	2327	2756	2327
65°	1503	1503	1503
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2479.6	28.3
10°-20°	3993.4	45.5
20°-30°	1725.7	19.7
30°-40°	393.3	4.5
40°-50°	135.0	1.5
50°-60°	33.0	0.4
60°-70°	8.6	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
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°	8198.7	93.5
0°-40°	8592.0	98.0
0°-60°	8760.0	99.9
0°-90°	8769.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8769.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28198	28198	28198	28198	28198	
5°	27284	27258	27253	27309	27286	2482
15°	14950	14771	14870	14822	14796	4003
25°	3514	3647	3962	3554	3442	1682
35°	590	602	565	561	474	400
45°	155	192	192	192	156	110
55°	25	26	47	28	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28198.2	28198.2	28198.2	28198.2	28198.2
2.5°	28011.3	27991.9	28003.0	28016.8	28022.4
5°	27284.5	27258.2	27252.6	27309.4	27285.9
7.5°	25818.4	25781.0	25724.2	25853.0	25973.4
10°	23362.4	23320.8	23197.6	23258.5	23356.8
12.5°	19736.5	19602.2	19599.5	19793.3	19767.0
15°	14950.5	14770.6	14870.2	14821.8	14795.5
17.5°	10053.8	9984.6	10117.5	10077.3	9904.3
20°	7232.3	7250.3	7503.6	7376.3	7222.6
22.5°	5277.5	5342.5	5643.0	5314.9	5194.4
25°	3513.7	3646.6	3962.3	3553.8	3441.7
27.5°	2161.1	2222.0	2541.8	2133.4	2072.5
30°	1344.3	1313.8	1464.7	1257.1	1171.2
32.5°	881.9	843.1	891.6	800.2	731.0
35°	589.8	602.2	564.9	560.7	473.5
37.5°	368.3	423.6	373.8	398.7	304.6
40°	238.1	307.3	264.4	292.1	224.3
42.5°	195.2	236.7	217.4	231.2	199.4
45°	155.1	192.4	192.4	192.4	156.4
47.5°	85.8	128.8	164.7	131.5	91.4
50°	48.5	65.1	127.4	67.8	51.2
52.5°	33.2	37.4	87.2	38.8	34.6
55°	24.9	26.3	47.1	27.7	26.3
57.5°	19.4	20.8	24.9	20.8	19.4
60°	15.2	15.2	18.0	16.6	15.2
62.5°	11.1	11.1	12.5	11.1	11.1
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.2	5.5	5.5	5.5	5.5
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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