

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: P771070

Luminaire Tested: LD6D75BD010-EU6DR3070959027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771070
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-EU6DR3070959027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8512.3 lumens
Efficiency: N/A
Efficacy: 117.6 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

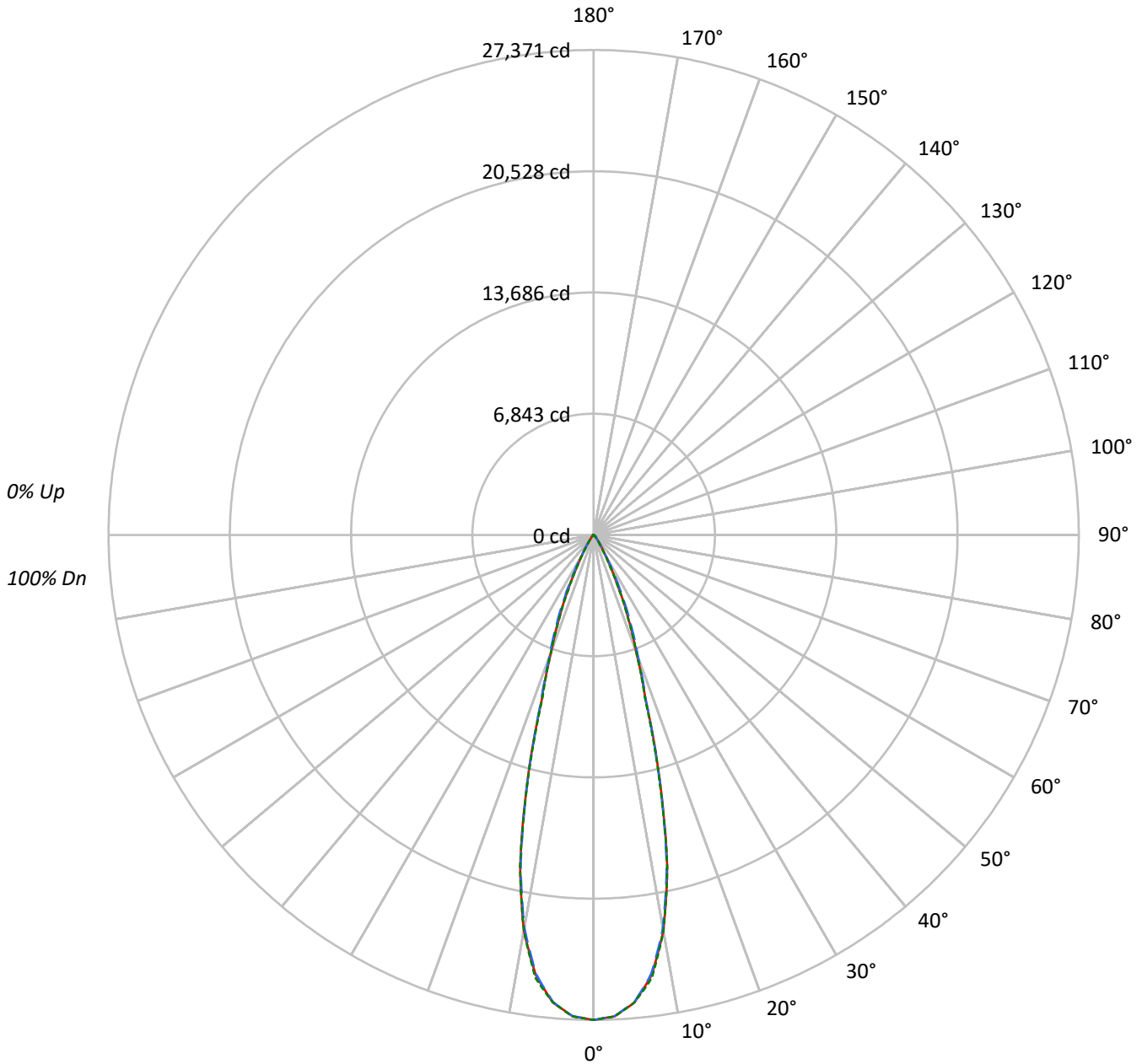
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	2095077	2095077	2095077
5°	2034926	2032552	2035034
10°	1762559	1750131	1762140
15°	1149982	1143801	1138056
20°	571828	593283	571062
25°	288047	324819	282152
30°	115333	125665	100485
35°	53496	51234	42946
40°	23092	25650	21753
45°	16291	20221	16443
50°	5597	14718	5918
55°	3229	6099	3403
60°	2266	2679	2266
65°	1467	1467	1467
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20221 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2406.9	28.3
10°-20°	3876.3	45.5
20°-30°	1675.0	19.7
30°-40°	381.8	4.5
40°-50°	131.1	1.5
50°-60°	32.0	0.4
60°-70°	8.3	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°	7958.2	93.5
0°-40°	8340.0	98.0
0°-60°	8503.1	99.9
0°-90°	8512.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8512.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27371	27371	27371	27371	27371	
5°	26484	26459	26453	26508	26486	2409
15°	14512	14337	14434	14387	14362	3886
25°	3411	3540	3846	3450	3341	1633
35°	572	585	548	544	460	388
45°	150	187	187	187	152	107
55°	24	26	46	27	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°	27371.1	27371.1	27371.1	27371.1	27371.1
2.5°	27189.6	27170.8	27181.6	27195.0	27200.4
5°	26484.1	26458.6	26453.2	26508.3	26485.5
7.5°	25061.0	25024.7	24969.6	25094.6	25211.5
10°	22677.1	22636.8	22517.2	22576.3	22671.7
12.5°	19157.6	19027.2	19024.5	19212.7	19187.2
15°	14512.0	14337.3	14434.0	14387.0	14361.5
17.5°	9758.9	9691.7	9820.7	9781.7	9613.7
20°	7020.1	7037.6	7283.5	7159.9	7010.7
22.5°	5122.7	5185.8	5477.4	5158.9	5042.0
25°	3410.6	3539.6	3846.0	3449.6	3340.8
27.5°	2097.7	2156.8	2467.3	2070.8	2011.7
30°	1304.9	1275.3	1421.8	1220.2	1136.9
32.5°	856.0	818.4	865.4	776.7	709.5
35°	572.5	584.6	548.3	544.2	459.6
37.5°	357.5	411.2	362.8	387.0	295.6
40°	231.1	298.3	256.7	283.5	217.7
42.5°	189.5	229.8	211.0	224.4	193.5
45°	150.5	186.8	186.8	186.8	151.9
47.5°	83.3	125.0	159.9	127.7	88.7
50°	47.0	63.2	123.6	65.8	49.7
52.5°	32.3	36.3	84.7	37.6	33.6
55°	24.2	25.5	45.7	26.9	25.5
57.5°	18.8	20.2	24.2	20.2	18.8
60°	14.8	14.8	17.5	16.1	14.8
62.5°	10.8	10.8	12.1	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.0	5.4	5.4	5.4	5.4
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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