

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: P770331

Luminaire Tested: LD6D70BD010-EU6DR3070959040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770331
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: LD6D70BD010-EU6DR3070959040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8342.5 lumens
Efficiency: N/A
Efficacy: 125.3 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): 66.6
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

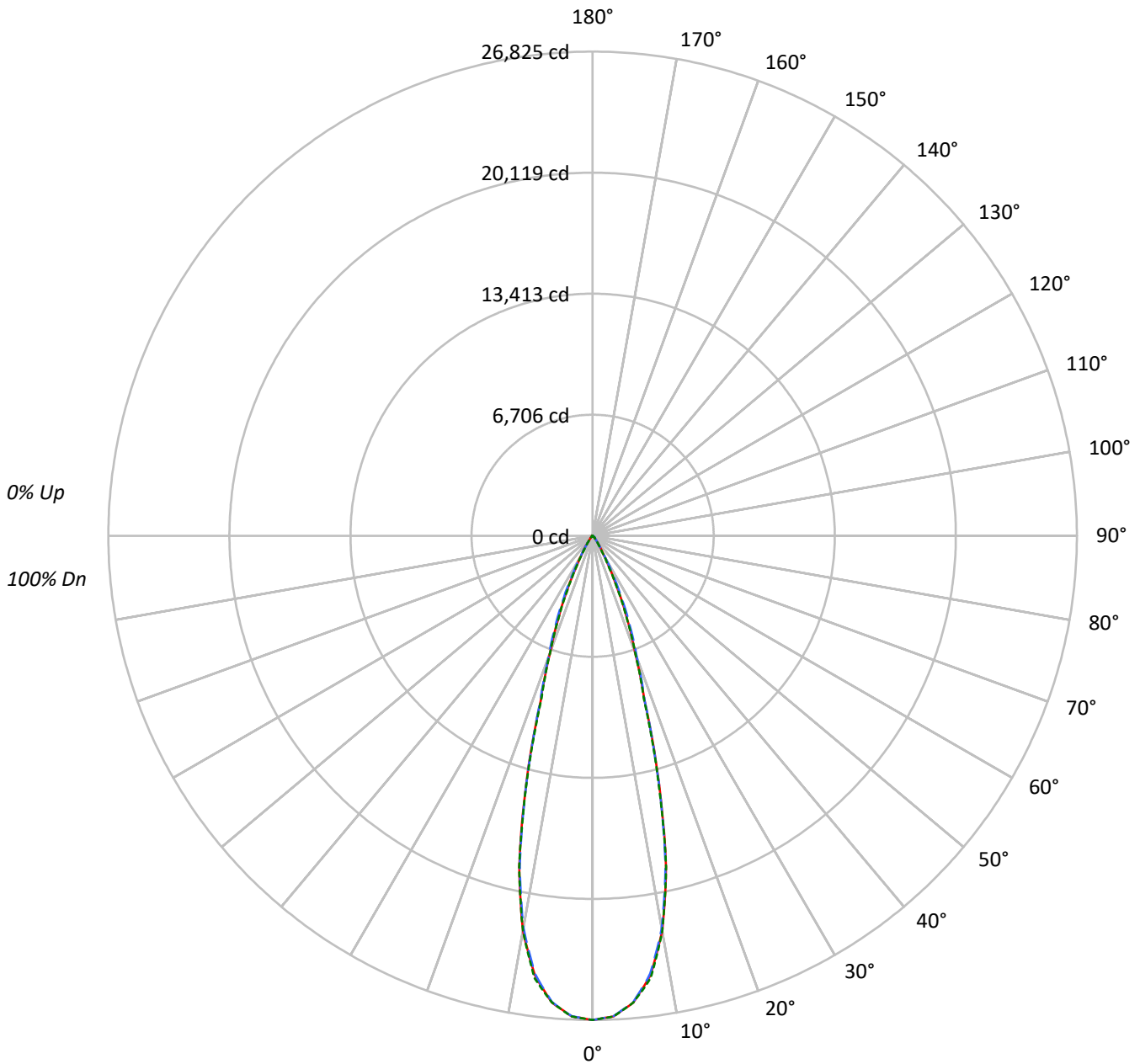


Downlight

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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°	2053300	2053300	2053300
5°	1994357	1992029	1994457
10°	1727413	1715233	1727001
15°	1127049	1120995	1115361
20°	560432	581456	559683
25°	282304	318341	276518
30°	113026	123155	98478
35°	52430	50207	42086
40°	22632	25140	21323
45°	15967	19820	16107
50°	5490	14433	5799
55°	3163	5979	3336
60°	2220	2618	2220
65°	1431	1431	1431
70°	895	582	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: 19820 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2358.9	28.3
10°-20°	3799.0	45.5
20°-30°	1641.6	19.7
30°-40°	374.2	4.5
40°-50°	128.5	1.5
50°-60°	31.4	0.4
60°-70°	8.1	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°	7799.5	93.5
0°-40°	8173.7	98.0
0°-60°	8333.5	99.9
0°-90°	8342.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8342.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26825	26825	26825	26825	26825	
5°	25956	25931	25926	25980	25957	2361
15°	14223	14051	14146	14100	14075	3808
25°	3343	3469	3769	3381	3274	1600
35°	561	573	537	533	450	381
45°	148	183	183	183	149	105
55°	24	25	45	26	25	23
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°	26825.3	26825.3	26825.3	26825.3	26825.3
2.5°	26647.5	26629.1	26639.6	26652.8	26658.0
5°	25956.1	25931.0	25925.8	25979.8	25957.4
7.5°	24561.3	24525.8	24471.8	24594.3	24708.8
10°	22224.9	22185.4	22068.2	22126.1	22219.6
12.5°	18775.6	18647.9	18645.2	18829.6	18804.6
15°	14222.6	14051.4	14146.2	14100.1	14075.1
17.5°	9564.3	9498.4	9624.9	9586.7	9422.0
20°	6880.2	6897.3	7138.3	7017.1	6871.0
22.5°	5020.5	5082.4	5368.2	5056.1	4941.5
25°	3342.6	3469.1	3769.3	3380.8	3274.1
27.5°	2055.9	2113.8	2418.1	2029.5	1971.6
30°	1278.8	1249.9	1393.4	1195.9	1114.2
32.5°	838.9	802.1	848.2	761.2	695.4
35°	561.1	572.9	537.3	533.4	450.4
37.5°	350.3	403.0	355.6	379.3	289.7
40°	226.5	292.4	251.6	277.9	213.4
42.5°	185.7	225.2	206.8	219.9	189.7
45°	147.5	183.1	183.1	183.1	148.8
47.5°	81.7	122.5	156.7	125.1	86.9
50°	46.1	61.9	121.2	64.5	48.7
52.5°	31.6	35.6	83.0	36.9	32.9
55°	23.7	25.0	44.8	26.3	25.0
57.5°	18.4	19.8	23.7	19.8	18.4
60°	14.5	14.5	17.1	15.8	14.5
62.5°	10.5	10.5	11.9	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.6	2.6	2.6	4.0
72.5°	2.6	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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