

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: P769557

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769557
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: LD6D65D010-EU6DR3055659050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6632.4 lumens
Efficiency: N/A
Efficacy: 91.1 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

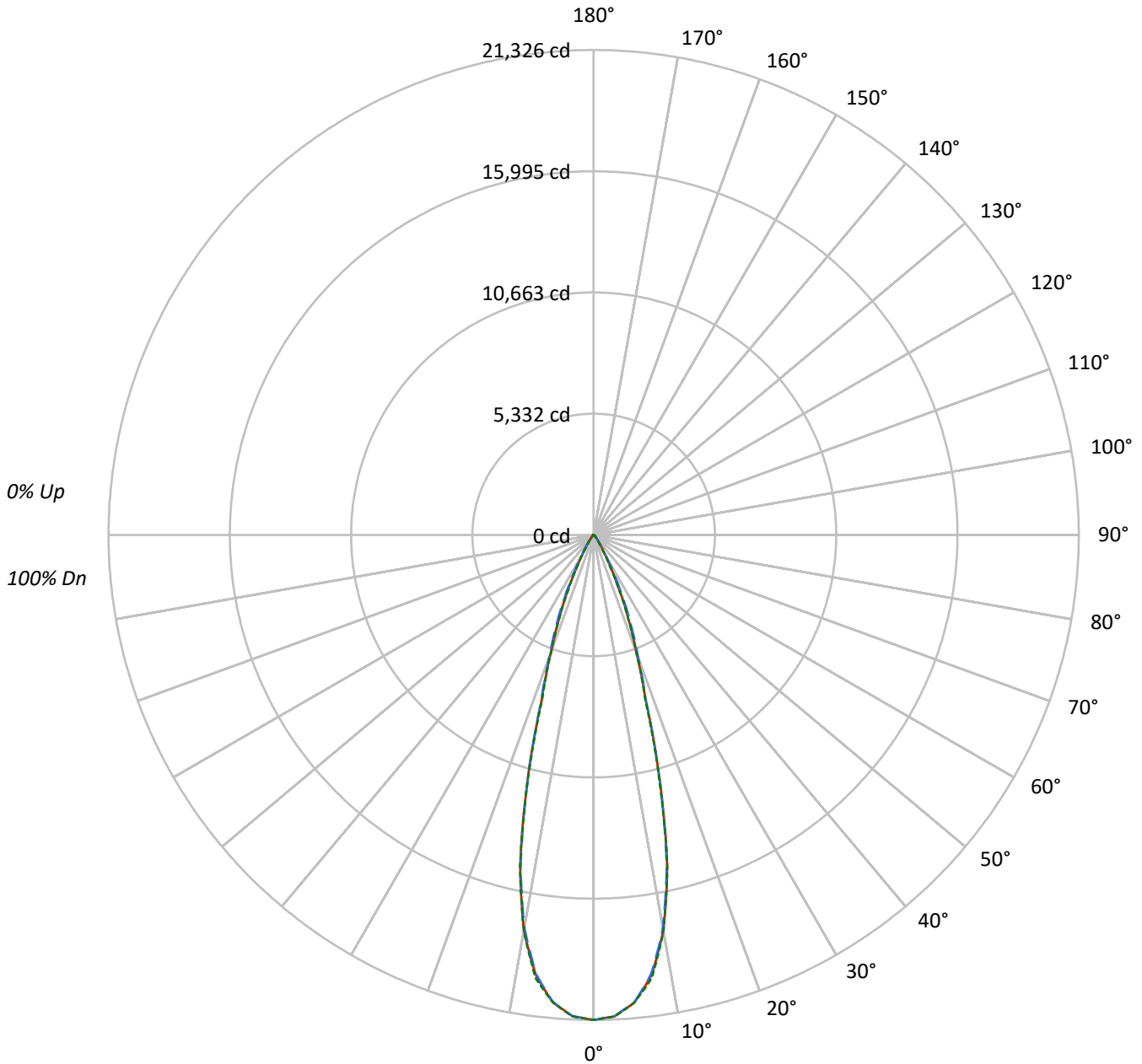
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1632395	1632395	1632395
5°	1585537	1583685	1585614
10°	1373317	1363632	1372990
15°	896023	891205	886727
20°	445547	462262	444952
25°	224434	253090	219840
30°	89861	97913	78291
35°	41675	39919	33462
40°	17996	19984	16946
45°	12698	15750	12806
50°	4358	11467	4608
55°	2509	4751	2656
60°	1760	2082	1760
65°	1141	1141	1141
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15750 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1875.3	28.3
10°-20°	3020.2	45.5
20°-30°	1305.1	19.7
30°-40°	297.5	4.5
40°-50°	102.1	1.5
50°-60°	24.9	0.4
60°-70°	6.5	0.1
70°-80°	0.7	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°	6200.7	93.5
0°-40°	6498.2	98.0
0°-60°	6625.3	99.9
0°-90°	6632.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6632.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21326	21326	21326	21326	21326	
5°	20635	20616	20611	20654	20636	1877
15°	11307	11171	11246	11210	11190	3028
25°	2657	2758	2997	2688	2603	1272
35°	446	456	427	424	358	303
45°	117	146	146	146	118	83
55°	19	20	36	21	20	18
65°	6	6	6	6	6	6
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°	21326.4	21326.4	21326.4	21326.4	21326.4
2.5°	21185.1	21170.4	21178.8	21189.3	21193.5
5°	20635.4	20615.5	20611.3	20654.2	20636.4
7.5°	19526.5	19498.3	19455.3	19552.7	19643.8
10°	17669.1	17637.7	17544.5	17590.5	17664.9
12.5°	14926.8	14825.3	14823.2	14969.8	14949.9
15°	11307.2	11171.0	11246.4	11209.8	11189.9
17.5°	7603.7	7551.4	7651.9	7621.5	7490.6
20°	5469.8	5483.4	5675.0	5578.7	5462.5
22.5°	3991.4	4040.6	4267.8	4019.6	3928.6
25°	2657.4	2757.9	2996.7	2687.8	2603.0
27.5°	1634.5	1680.5	1922.4	1613.5	1567.4
30°	1016.7	993.7	1107.8	950.7	885.8
32.5°	667.0	637.7	674.3	605.2	552.8
35°	446.0	455.5	427.2	424.1	358.1
37.5°	278.5	320.4	282.7	301.6	230.4
40°	180.1	232.4	200.0	220.9	169.6
42.5°	147.6	179.0	164.4	174.9	150.8
45°	117.3	145.5	145.5	145.5	118.3
47.5°	64.9	97.4	124.6	99.5	69.1
50°	36.6	49.2	96.3	51.3	38.7
52.5°	25.1	28.3	66.0	29.3	26.2
55°	18.8	19.9	35.6	20.9	19.9
57.5°	14.7	15.7	18.8	15.7	14.7
60°	11.5	11.5	13.6	12.6	11.5
62.5°	8.4	8.4	9.4	8.4	8.4
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.1	4.2	4.2	4.2	4.2
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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