

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: P794706

Luminaire Tested: LER6D65D010-EC6DR3055659030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794706
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: LER6D65D010-EC6DR3055659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6898.2 lumens
Efficiency: N/A
Efficacy: 94.8 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

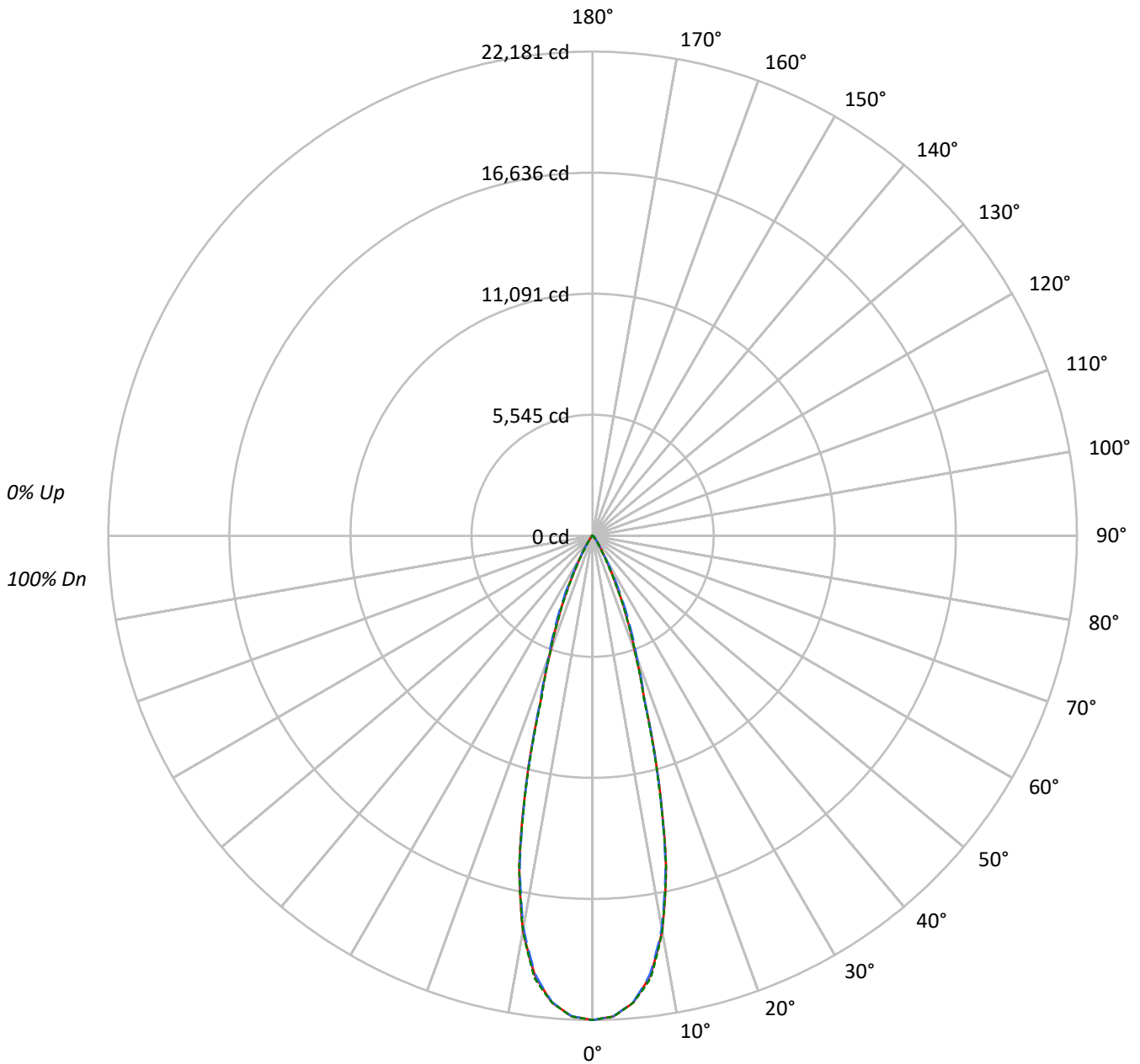
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1697801	1697801	1697801
5°	1649057	1647136	1649142
10°	1428338	1418265	1427996
15°	931920	926912	922252
20°	463402	480785	462775
25°	233429	263225	228649
30°	93458	101837	81429
35°	43348	41516	34798
40°	18715	20783	17626
45°	13206	16389	13325
50°	4537	11932	4799
55°	2616	4938	2762
60°	1837	2174	1837
65°	1177	1177	1177
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16389 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1950.5	28.3
10°-20°	3141.3	45.5
20°-30°	1357.4	19.7
30°-40°	309.4	4.5
40°-50°	106.2	1.5
50°-60°	25.9	0.4
60°-70°	6.7	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°	6449.1	93.5
0°-40°	6758.5	98.0
0°-60°	6890.7	99.9
0°-90°	6898.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6898.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22181	22181	22181	22181	22181	
5°	21462	21442	21437	21482	21463	1952
15°	11760	11619	11697	11659	11638	3149
25°	2764	2868	3117	2796	2707	1323
35°	464	474	444	441	372	315
45°	122	151	151	151	123	87
55°	20	21	37	22	21	19
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°	22180.9	22180.9	22180.9	22180.9	22180.9
2.5°	22033.9	22018.6	22027.3	22038.2	22042.6
5°	21462.1	21441.5	21437.1	21481.7	21463.2
7.5°	20308.9	20279.5	20234.8	20336.1	20430.9
10°	18377.0	18344.3	18247.4	18295.3	18372.6
12.5°	15524.9	15419.2	15417.1	15569.5	15548.8
15°	11760.2	11618.6	11697.0	11658.9	11638.2
17.5°	7908.4	7853.9	7958.5	7926.9	7790.8
20°	5689.0	5703.1	5902.4	5802.2	5681.3
22.5°	4151.3	4202.5	4438.8	4180.7	4086.0
25°	2763.9	2868.4	3116.7	2795.5	2707.3
27.5°	1699.9	1747.9	1999.4	1678.2	1630.2
30°	1057.4	1033.5	1152.2	988.8	921.3
32.5°	693.7	663.2	701.3	629.4	575.0
35°	463.9	473.7	444.3	441.0	372.4
37.5°	289.7	333.2	294.0	313.6	239.6
40°	187.3	241.8	208.0	229.8	176.4
42.5°	153.5	186.2	171.0	181.9	156.8
45°	122.0	151.4	151.4	151.4	123.1
47.5°	67.5	101.3	129.6	103.5	71.9
50°	38.1	51.2	100.2	53.4	40.3
52.5°	26.1	29.4	68.6	30.5	27.2
55°	19.6	20.7	37.0	21.8	20.7
57.5°	15.2	16.3	19.6	16.3	15.2
60°	12.0	12.0	14.2	13.1	12.0
62.5°	8.7	8.7	9.8	8.7	8.7
65°	6.5	6.5	6.5	6.5	6.5
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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