

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: P794715

Luminaire Tested: LER6D65D010-EC6DR3055659035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794715
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-EC6DR3055659035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7712.1 lumens
Efficiency: N/A
Efficacy: 105.9 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

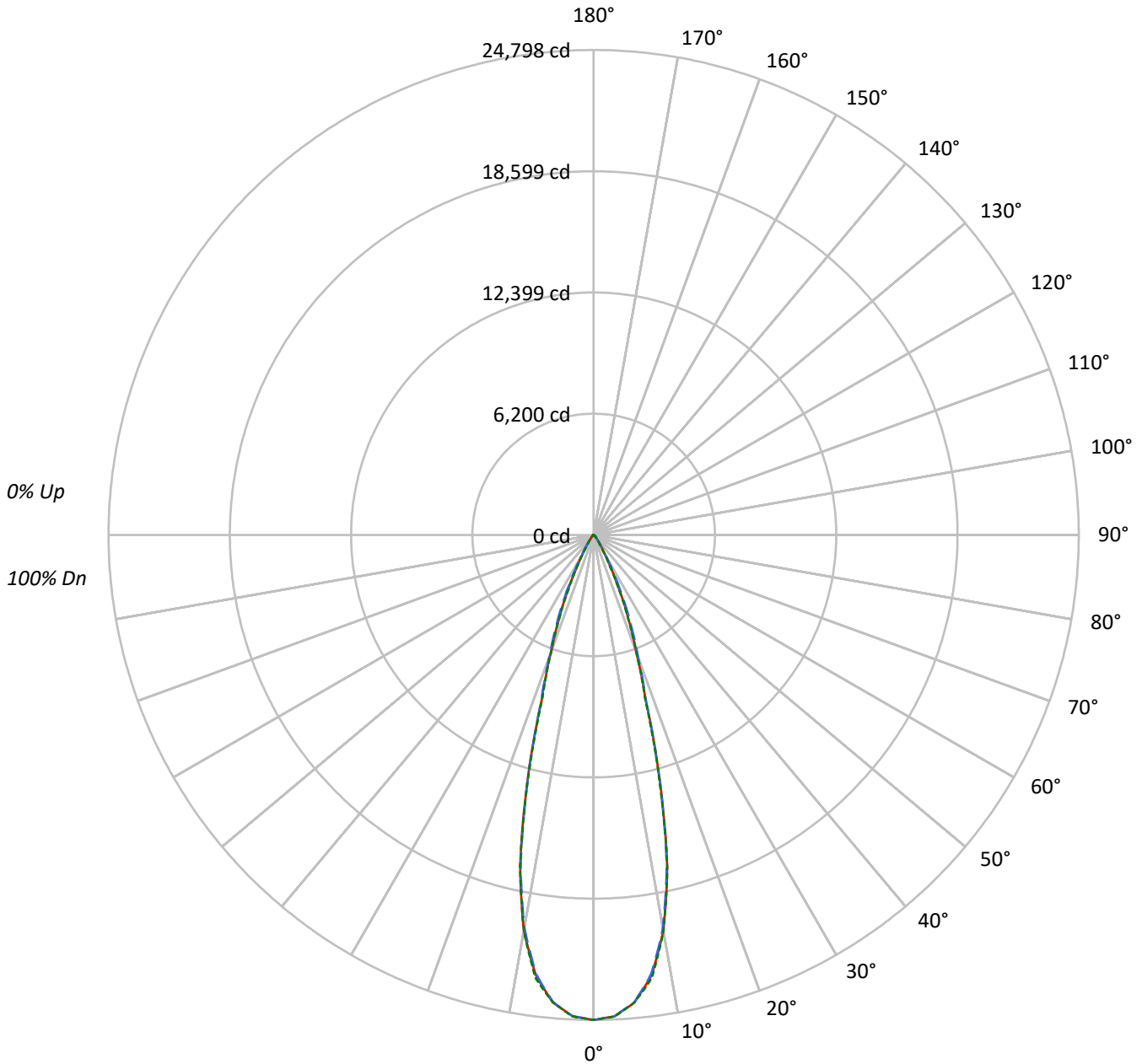
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1898146	1898146	1898146
5°	1843651	1841500	1843744
10°	1596883	1585620	1596502
15°	1041886	1036292	1031085
20°	518083	537519	517391
25°	260970	294288	255624
30°	104488	113848	91036
35°	48468	46413	38909
40°	20923	23231	19704
45°	14765	18316	14895
50°	5073	13337	5359
55°	2923	5525	3083
60°	2051	2419	2051
65°	1322	1322	1322
70°	828	537	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 18316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2180.6	28.3
10°-20°	3511.9	45.5
20°-30°	1517.6	19.7
30°-40°	345.9	4.5
40°-50°	118.8	1.5
50°-60°	29.0	0.4
60°-70°	7.5	0.1
70°-80°	0.8	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°	7210.2	93.5
0°-40°	7556.1	98.0
0°-60°	7703.8	99.9
0°-90°	7712.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7712.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24798	24798	24798	24798	24798	
5°	23995	23972	23967	24017	23996	2182
15°	13148	12990	13077	13035	13012	3521
25°	3090	3207	3484	3125	3027	1479
35°	519	530	497	493	416	352
45°	136	169	169	169	138	97
55°	22	23	41	24	23	21
65°	7	7	7	7	7	7
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°	24798.3	24798.3	24798.3	24798.3	24798.3
2.5°	24633.9	24616.9	24626.6	24638.8	24643.7
5°	23994.7	23971.6	23966.7	24016.6	23995.9
7.5°	22705.4	22672.5	22622.6	22735.8	22841.7
10°	20545.5	20509.0	20400.6	20454.2	20540.6
12.5°	17356.9	17238.8	17236.3	17406.8	17383.6
15°	13147.9	12989.6	13077.3	13034.7	13011.6
17.5°	8841.6	8780.7	8897.6	8862.3	8710.1
20°	6360.3	6376.1	6598.9	6486.9	6351.8
22.5°	4641.2	4698.4	4962.6	4674.0	4568.1
25°	3090.0	3206.9	3484.5	3125.4	3026.7
27.5°	1900.5	1954.1	2235.4	1876.2	1822.6
30°	1182.2	1155.4	1288.1	1105.5	1030.0
32.5°	775.6	741.5	784.1	703.7	642.8
35°	518.7	529.6	496.7	493.1	416.4
37.5°	323.9	372.6	328.7	350.6	267.9
40°	209.4	270.3	232.5	256.9	197.2
42.5°	171.7	208.2	191.1	203.3	175.3
45°	136.4	169.2	169.2	169.2	137.6
47.5°	75.5	113.2	144.9	115.7	80.4
50°	42.6	57.2	112.0	59.7	45.0
52.5°	29.2	32.9	76.7	34.1	30.4
55°	21.9	23.1	41.4	24.4	23.1
57.5°	17.0	18.3	21.9	18.3	17.0
60°	13.4	13.4	15.8	14.6	13.4
62.5°	9.7	9.7	11.0	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.7	4.9	4.9	4.9	4.9
70°	3.7	2.4	2.4	2.4	3.7
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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