

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: P794698

Luminaire Tested: LER6D65D010-EC6DR3055659027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794698
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-EC6DR3055659027-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6695.8 lumens
Efficiency: N/A
Efficacy: 92.0 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

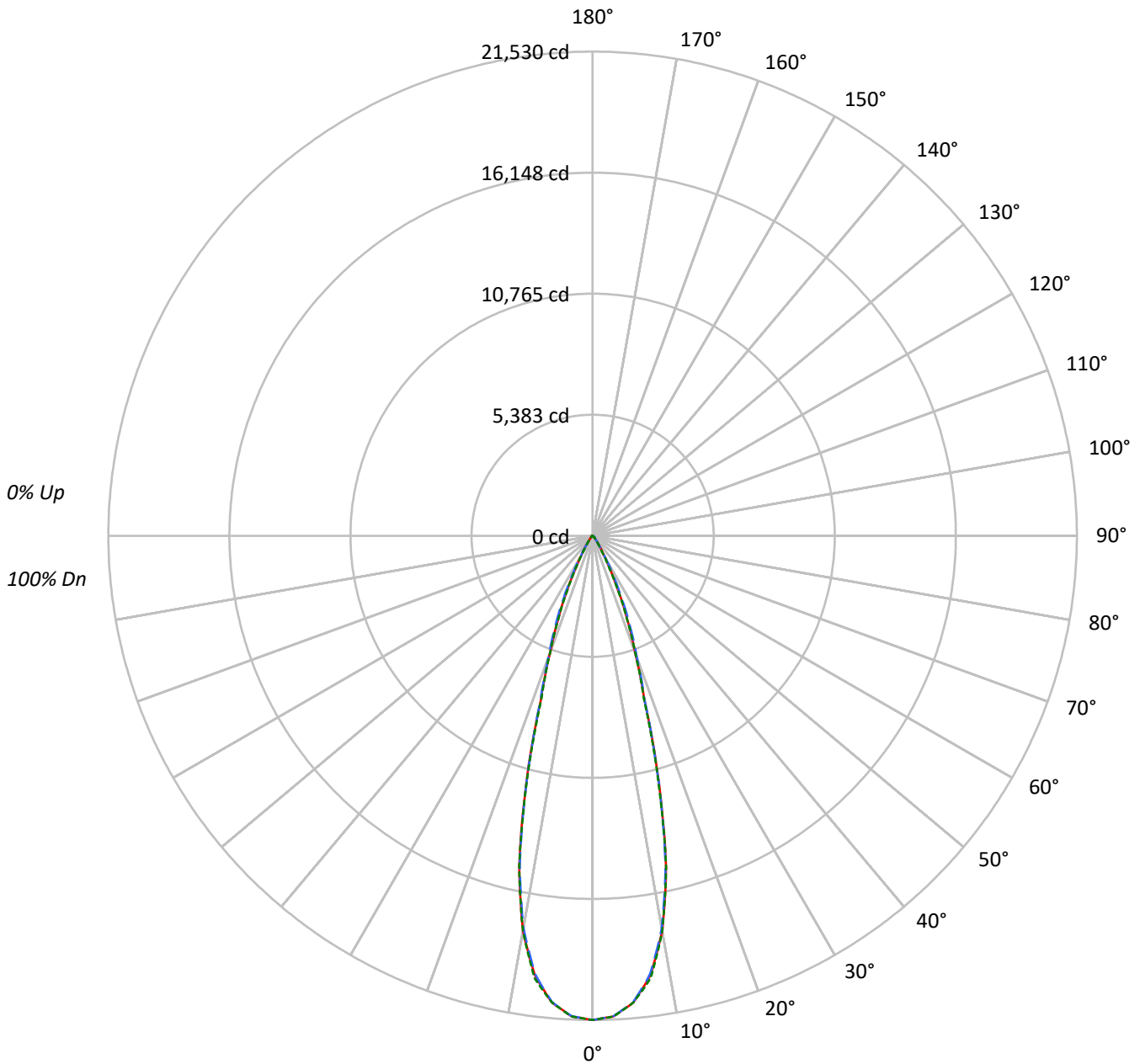


Downlight

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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°	1648002	1648002	1648002
5°	1600689	1598822	1600766
10°	1386437	1376659	1386110
15°	904581	899723	895199
20°	449807	466685	449204
25°	226579	255506	221943
30°	90718	98849	79042
35°	42077	40302	33779
40°	18166	20174	17106
45°	12817	15902	12925
50°	4406	11575	4656
55°	2536	4791	2682
60°	1776	2097	1776
65°	1141	1141	1141
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15902 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1893.3	28.3
10°-20°	3049.1	45.5
20°-30°	1317.6	19.7
30°-40°	300.3	4.5
40°-50°	103.1	1.5
50°-60°	25.2	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°	6260.0	93.5
0°-40°	6560.3	98.0
0°-60°	6688.6	99.9
0°-90°	6695.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6695.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21530	21530	21530	21530	21530	
5°	20833	20812	20808	20852	20834	1895
15°	11415	11278	11354	11317	11297	3057
25°	2683	2784	3025	2714	2628	1284
35°	450	460	431	428	362	305
45°	118	147	147	147	119	84
55°	19	20	36	21	20	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°	21530.3	21530.3	21530.3	21530.3	21530.3
2.5°	21387.5	21372.7	21381.2	21391.8	21396.0
5°	20832.6	20812.5	20808.3	20851.6	20833.6
7.5°	19713.2	19684.6	19641.3	19739.6	19831.6
10°	17837.9	17806.2	17712.1	17758.7	17833.7
12.5°	15069.5	14966.9	14964.8	15112.8	15092.7
15°	11415.2	11277.8	11353.9	11316.9	11296.8
17.5°	7676.4	7623.5	7725.0	7694.4	7562.2
20°	5522.1	5535.8	5729.3	5632.0	5514.7
22.5°	4029.5	4079.2	4308.6	4058.1	3966.1
25°	2682.8	2784.3	3025.3	2713.5	2627.9
27.5°	1650.1	1696.6	1940.8	1628.9	1582.4
30°	1026.4	1003.2	1118.4	959.8	894.3
32.5°	673.3	643.8	680.7	611.0	558.1
35°	450.3	459.8	431.3	428.1	361.5
37.5°	281.2	323.5	285.4	304.4	232.6
40°	181.8	234.7	201.9	223.0	171.2
42.5°	149.0	180.8	166.0	176.5	152.2
45°	118.4	146.9	146.9	146.9	119.4
47.5°	65.5	98.3	125.8	100.4	69.8
50°	37.0	49.7	97.2	51.8	39.1
52.5°	25.4	28.5	66.6	29.6	26.4
55°	19.0	20.1	35.9	21.1	20.1
57.5°	14.8	15.9	19.0	15.9	14.8
60°	11.6	11.6	13.7	12.7	11.6
62.5°	8.5	8.5	9.5	8.5	8.5
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	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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