

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P794722

Luminaire Tested: LER6D65D010-EC6DR3055659040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794722
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-EC6DR3055659040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 7296.7 lumens
Efficiency: N/A
Efficacy: 100.2 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

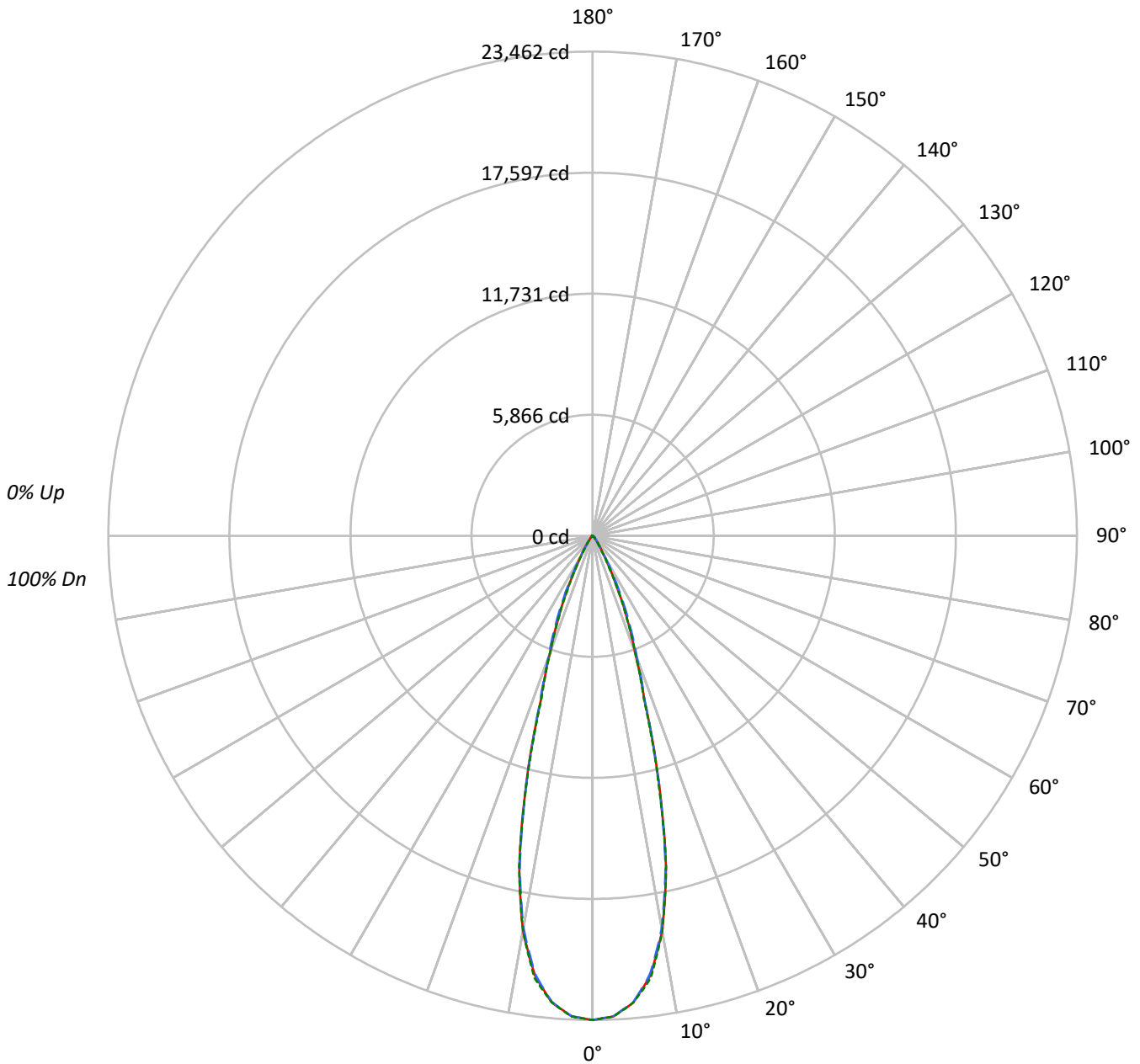
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794722
CATALOG NUMBER: LER6D65D010-EC6DR3055659040-6LB DP1MW

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°	1795899	1795899	1795899
5°	1744341	1742305	1744426
10°	1510865	1500209	1510508
15°	985766	980465	975536
20°	490176	508561	489517
25°	246916	278436	241857
30°	98858	107714	86131
35°	45852	43918	36816
40°	19794	21982	18645
45°	13964	17331	14094
50°	4799	12623	5073
55°	2762	5231	2923
60°	1944	2296	1944
65°	1250	1250	1250
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17331 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2063.2	28.3
10°-20°	3322.7	45.5
20°-30°	1435.8	19.7
30°-40°	327.3	4.5
40°-50°	112.4	1.5
50°-60°	27.4	0.4
60°-70°	7.1	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°	6821.8	93.5
0°-40°	7149.0	98.0
0°-60°	7288.8	99.9
0°-90°	7296.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7296.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23462	23462	23462	23462	23462	
5°	22702	22680	22676	22723	22703	2065
15°	12440	12290	12373	12332	12311	3331
25°	2924	3034	3297	2957	2864	1399
35°	491	501	470	466	394	333
45°	129	160	160	160	130	92
55°	21	22	39	23	22	20
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°	23462.5	23462.5	23462.5	23462.5	23462.5
2.5°	23306.9	23290.8	23300.0	23311.6	23316.2
5°	22702.2	22680.3	22675.7	22722.9	22703.3
7.5°	21482.3	21451.2	21404.0	21511.1	21611.3
10°	19438.8	19404.2	19301.7	19352.4	19434.2
12.5°	16421.9	16310.1	16307.8	16469.1	16447.2
15°	12439.7	12289.9	12372.8	12332.5	12310.6
17.5°	8365.3	8307.7	8418.3	8384.9	8240.9
20°	6017.7	6032.6	6243.4	6137.5	6009.6
22.5°	4391.1	4445.3	4695.3	4422.2	4322.0
25°	2923.6	3034.2	3296.8	2957.0	2863.7
27.5°	1798.2	1848.8	2114.9	1775.1	1724.4
30°	1118.5	1093.2	1218.7	1045.9	974.5
32.5°	733.8	701.5	741.8	665.8	608.2
35°	490.7	501.1	470.0	466.5	394.0
37.5°	306.4	352.5	311.0	331.8	253.4
40°	198.1	255.7	220.0	243.1	186.6
42.5°	162.4	197.0	180.9	192.4	165.9
45°	129.0	160.1	160.1	160.1	130.2
47.5°	71.4	107.1	137.1	109.4	76.0
50°	40.3	54.1	106.0	56.4	42.6
52.5°	27.6	31.1	72.6	32.3	28.8
55°	20.7	21.9	39.2	23.0	21.9
57.5°	16.1	17.3	20.7	17.3	16.1
60°	12.7	12.7	15.0	13.8	12.7
62.5°	9.2	9.2	10.4	9.2	9.2
65°	6.9	6.9	6.9	6.9	6.9
67.5°	3.5	4.6	4.6	4.6	4.6
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	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

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Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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