

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: P794713

Luminaire Tested: LER6D65D010-EC6DR3055659035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794713
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-EC6DR3055659035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8205.1 lumens
Efficiency: N/A
Efficacy: 112.7 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

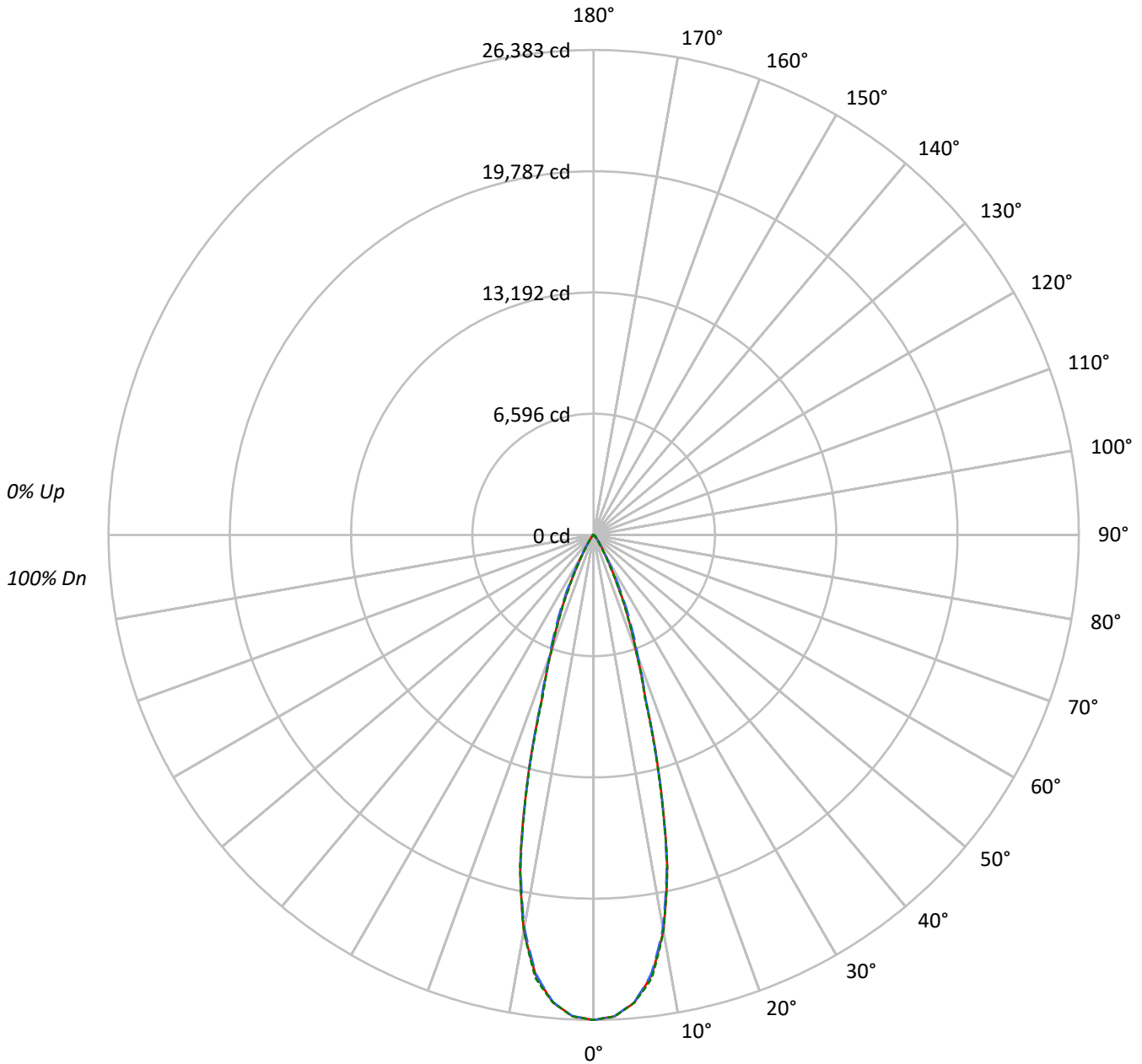
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2019460	2019460	2019460
5°	1961479	1959189	1961579
10°	1698942	1686957	1698538
15°	1108475	1102523	1096976
20°	551195	571877	550454
25°	277650	313096	271966
30°	111170	121131	96852
35°	51561	49384	41395
40°	22262	24720	20963
45°	15707	19496	15848
50°	5394	14194	5704
55°	3109	5872	3283
60°	2174	2572	2174
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19496 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2320.0	28.3
10°-20°	3736.4	45.5
20°-30°	1614.6	19.7
30°-40°	368.0	4.5
40°-50°	126.4	1.5
50°-60°	30.9	0.4
60°-70°	8.0	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°	7671.0	93.5
0°-40°	8039.0	98.0
0°-60°	8196.2	99.9
0°-90°	8205.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8205.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26383	26383	26383	26383	26383	
5°	25528	25504	25498	25552	25530	2322
15°	13988	13820	13913	13868	13843	3746
25°	3288	3412	3707	3325	3220	1574
35°	552	564	528	525	443	374
45°	145	180	180	180	146	103
55°	23	25	44	26	25	23
65°	8	8	8	8	8	8
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°	26383.2	26383.2	26383.2	26383.2	26383.2
2.5°	26208.3	26190.2	26200.5	26213.5	26218.6
5°	25528.2	25503.6	25498.4	25551.6	25529.5
7.5°	24156.5	24121.5	24068.4	24188.9	24301.6
10°	21858.6	21819.7	21704.4	21761.4	21853.4
12.5°	18466.1	18340.5	18337.9	18519.2	18494.6
15°	13988.2	13819.8	13913.1	13867.7	13843.1
17.5°	9406.6	9341.9	9466.2	9428.7	9266.7
20°	6766.8	6783.6	7020.7	6901.5	6757.7
22.5°	4937.8	4998.7	5279.7	4972.7	4860.1
25°	3287.5	3411.9	3707.2	3325.1	3220.2
27.5°	2022.0	2079.0	2378.2	1996.1	1939.1
30°	1257.8	1229.3	1370.5	1176.2	1095.8
32.5°	825.1	788.9	834.2	748.7	683.9
35°	551.8	563.5	528.5	524.6	443.0
37.5°	344.6	396.4	349.7	373.1	285.0
40°	222.8	287.6	247.4	273.3	209.8
42.5°	182.6	221.5	203.4	216.3	186.5
45°	145.1	180.1	180.1	180.1	146.4
47.5°	80.3	120.5	154.1	123.1	85.5
50°	45.3	60.9	119.2	63.5	47.9
52.5°	31.1	35.0	81.6	36.3	32.4
55°	23.3	24.6	44.0	25.9	24.6
57.5°	18.1	19.4	23.3	19.4	18.1
60°	14.2	14.2	16.8	15.5	14.2
62.5°	10.4	10.4	11.7	10.4	10.4
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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