

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: P794992

Luminaire Tested: LER6D65D010-EC6DR6055659030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D65D010-EC6DR6055659030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7941.1 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' 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

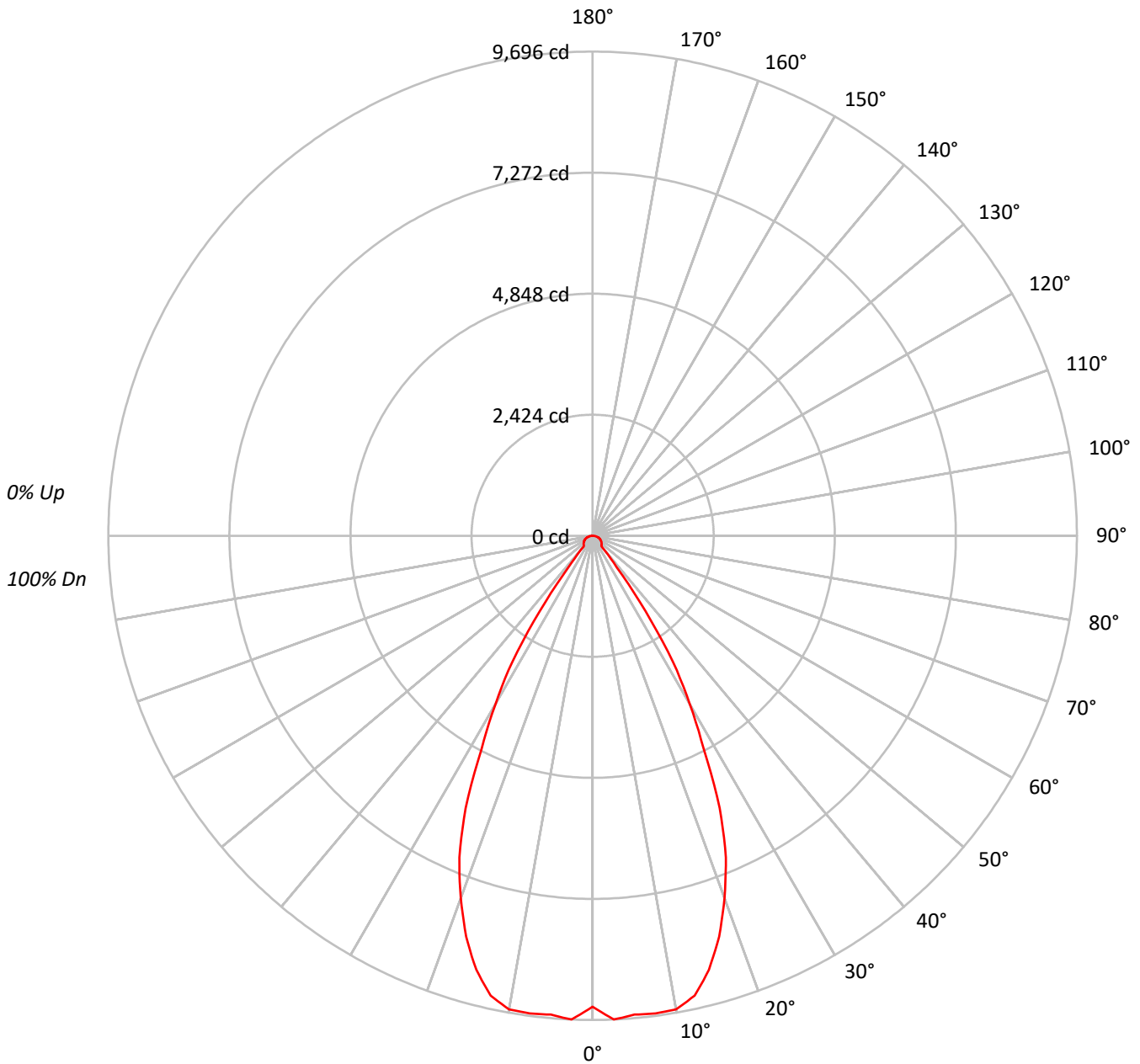


Downlight

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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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1030449
5°	1055794
10°	1068546
15°	1017934
20°	897499
25°	725927
30°	491028
35°	246051
40°	39908
45°	39062
50°	39843
55°	40441
60°	41563
65°	42529
70°	43510
75°	44030
80°	42472
85°	35352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 44030 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	920.0	11.6
10°-20°	2489.2	31.3
20°-30°	2678.2	33.7
30°-40°	1164.1	14.7
40°-50°	195.5	2.5
50°-60°	190.1	2.4
60°-70°	162.6	2.0
70°-80°	108.8	1.4
80°-90°	32.5	0.4
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°	6087.4	76.7
0°-40°	7251.5	91.3
0°-60°	7637.1	96.2
0°-90°	7941.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7941.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9431	
5°	9626	920
15°	8999	2489
25°	6022	2678
35°	1845	1164
45°	253	195
55°	212	190
65°	164	163
75°	104	109
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9431.1
2.5°	9696.2
5°	9626.3
7.5°	9648.4
10°	9631.2
12.5°	9432.4
15°	8999.1
17.5°	8417.3
20°	7718.9
22.5°	6971.5
25°	6021.5
27.5°	4816.2
30°	3892.0
32.5°	2999.7
35°	1844.7
37.5°	789.2
40°	279.8
42.5°	257.7
45°	252.8
47.5°	244.2
50°	234.4
52.5°	223.4
55°	212.3
57.5°	201.3
60°	190.2
62.5°	178.0
65°	164.5
67.5°	151.0
70°	136.2
72.5°	120.3
75°	104.3
77.5°	85.9
80°	67.5
82.5°	47.9
85°	28.2
87.5°	9.8
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)