

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: P769975

Luminaire Tested: LD6D65D010-EU6DR6055659027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769975
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: LD6D65D010-EU6DR6055659027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8093.7 lumens
Efficiency: N/A
Efficacy: 111.2 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

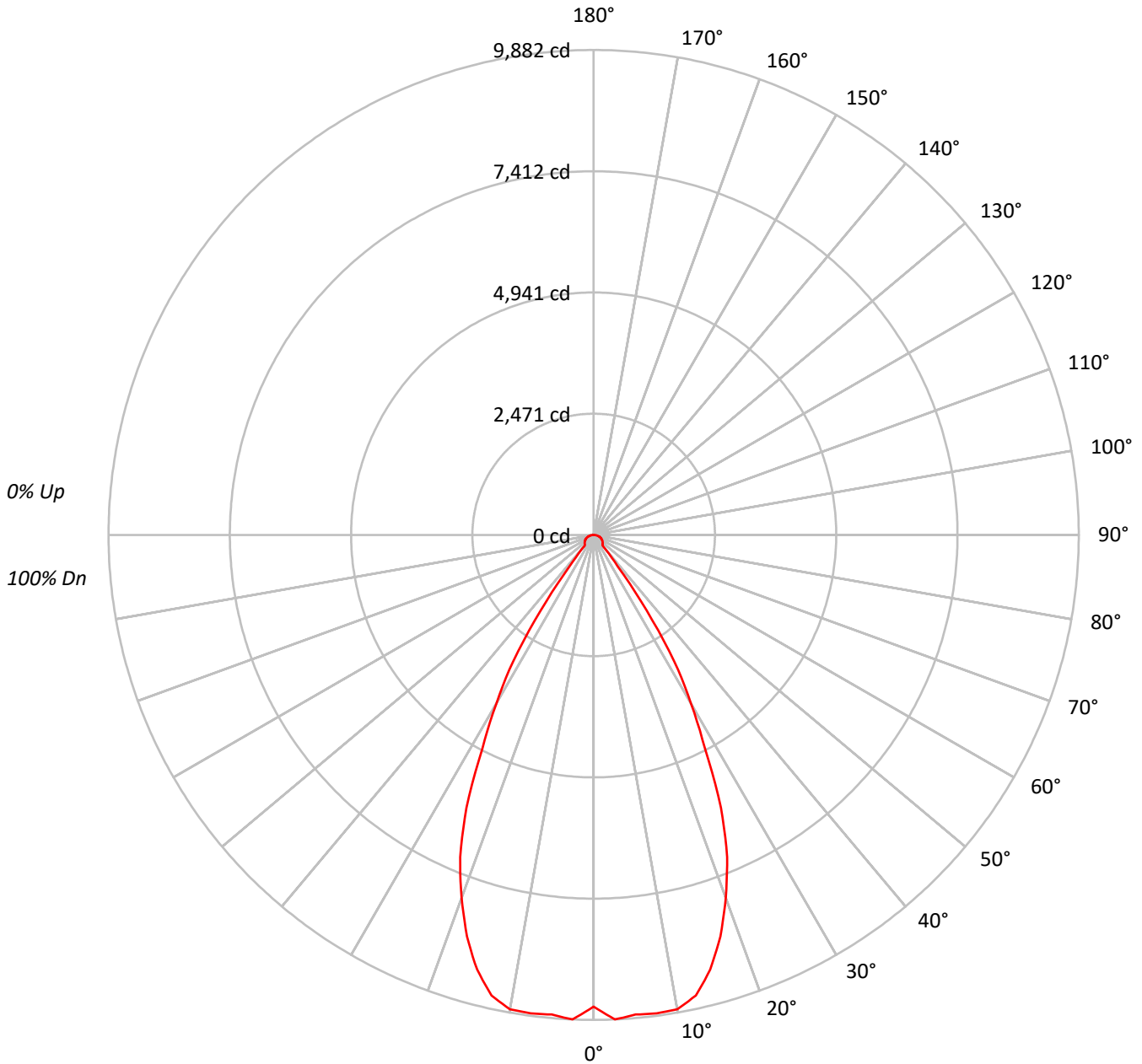
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1050236
5°	1076063
10°	1089060
15°	1037480
20°	914730
25°	739864
30°	500453
35°	250786
40°	40678
45°	39819
50°	40608
55°	41222
60°	42371
65°	43330
70°	44373
75°	44875
80°	43289
85°	36104

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 44875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	937.7	11.6
10°-20°	2537.0	31.3
20°-30°	2729.6	33.7
30°-40°	1186.5	14.7
40°-50°	199.3	2.5
50°-60°	193.8	2.4
60°-70°	165.7	2.0
70°-80°	110.9	1.4
80°-90°	33.2	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°	6204.3	76.7
0°-40°	7390.8	91.3
0°-60°	7783.8	96.2
0°-90°	8093.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8093.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9612	
5°	9811	938
15°	9172	2537
25°	6137	2730
35°	1880	1187
45°	258	199
55°	216	194
65°	168	166
75°	106	111
85°	29	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9612.2
2.5°	9882.4
5°	9811.1
7.5°	9833.6
10°	9816.1
12.5°	9613.5
15°	9171.9
17.5°	8578.9
20°	7867.1
22.5°	7105.3
25°	6137.1
27.5°	4908.7
30°	3966.7
32.5°	3057.3
35°	1880.2
37.5°	804.4
40°	285.2
42.5°	262.7
45°	257.7
47.5°	248.9
50°	238.9
52.5°	227.7
55°	216.4
57.5°	205.2
60°	193.9
62.5°	181.4
65°	167.6
67.5°	153.9
70°	138.9
72.5°	122.6
75°	106.3
77.5°	87.6
80°	68.8
82.5°	48.8
85°	28.8
87.5°	10.0
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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