

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: P770171

Luminaire Tested: LD6D65D010-EU6DR7055659040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR7055659040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6604.2 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

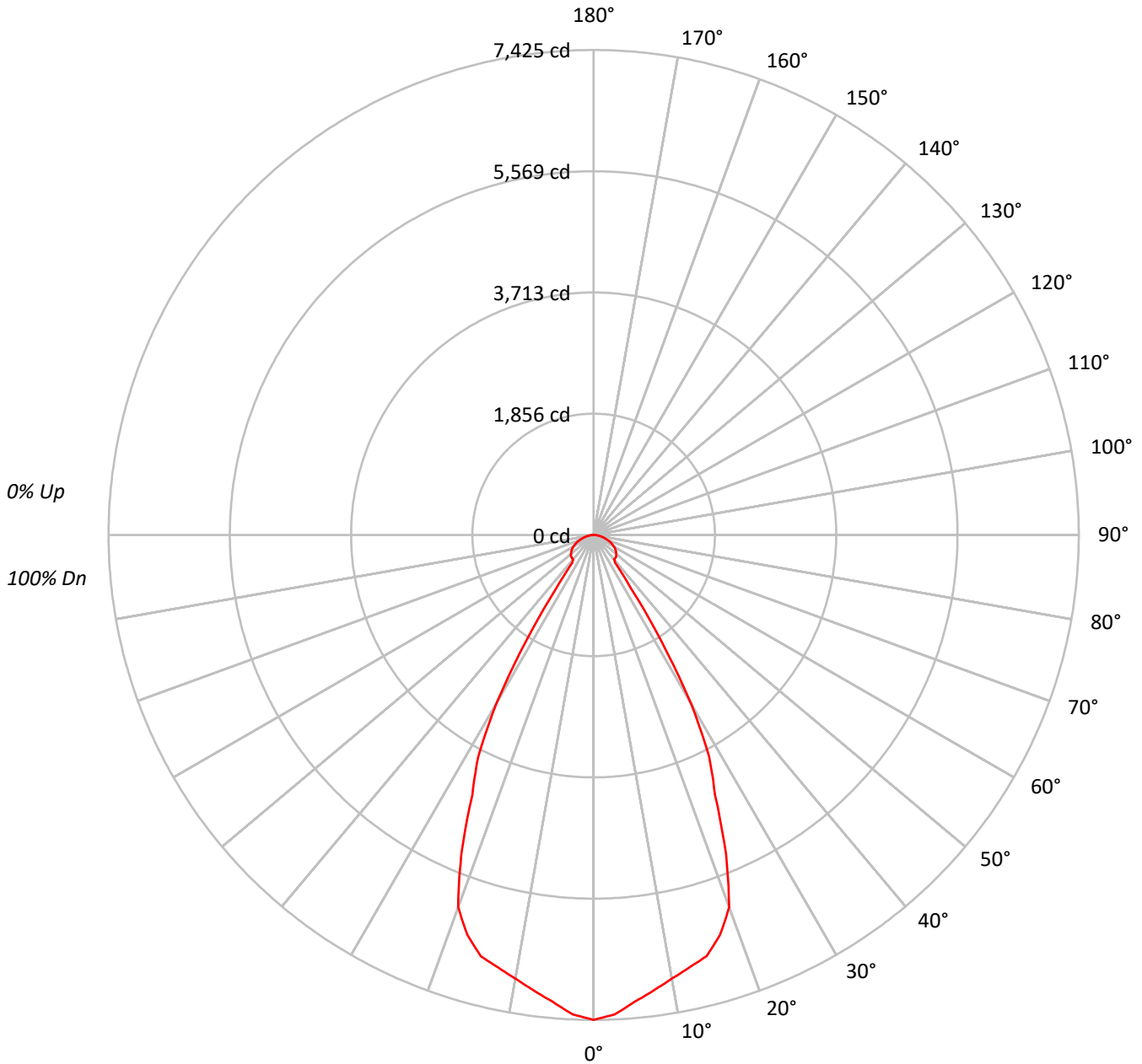
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	811261
5°	787160
10°	765219
15°	755179
20°	705183
25°	529759
30°	374504
35°	132649
40°	69746
45°	74292
50°	76933
55°	78387
60°	78864
65°	77198
70°	72868
75°	67502
80°	59901
85°	48641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 78880 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.9	10.3
10°-20°	1856.8	28.1
20°-30°	2045.0	31.0
30°-40°	781.3	11.8
40°-50°	368.9	5.6
50°-60°	366.8	5.6
60°-70°	293.6	4.4
70°-80°	168.8	2.6
80°-90°	45.9	0.7
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°	4578.8	69.3
0°-40°	5360.1	81.2
0°-60°	6095.8	92.3
0°-90°	6604.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6604.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7425	
5°	7177	677
15°	6676	1857
25°	4394	2045
35°	994	781
45°	481	369
55°	412	367
65°	299	294
75°	160	169
85°	39	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7425.0
2.5°	7347.4
5°	7177.0
7.5°	7034.7
10°	6897.2
12.5°	6780.8
15°	6676.2
17.5°	6423.4
20°	6064.9
22.5°	5291.3
25°	4394.3
27.5°	3825.4
30°	2968.4
32.5°	1917.4
35°	994.5
37.5°	537.2
40°	489.0
42.5°	485.5
45°	480.8
47.5°	470.2
50°	452.6
52.5°	432.6
55°	411.5
57.5°	387.9
60°	360.9
62.5°	330.3
65°	298.6
67.5°	263.3
70°	228.1
72.5°	192.8
75°	159.9
77.5°	125.8
80°	95.2
82.5°	67.0
85°	38.8
87.5°	15.3
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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