

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: P770181

Luminaire Tested: LD6D65D010-EU6DR7055659050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770181
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-EU6DR7055659050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4954.5 lumens
Efficiency: N/A
Efficacy: 68.1 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

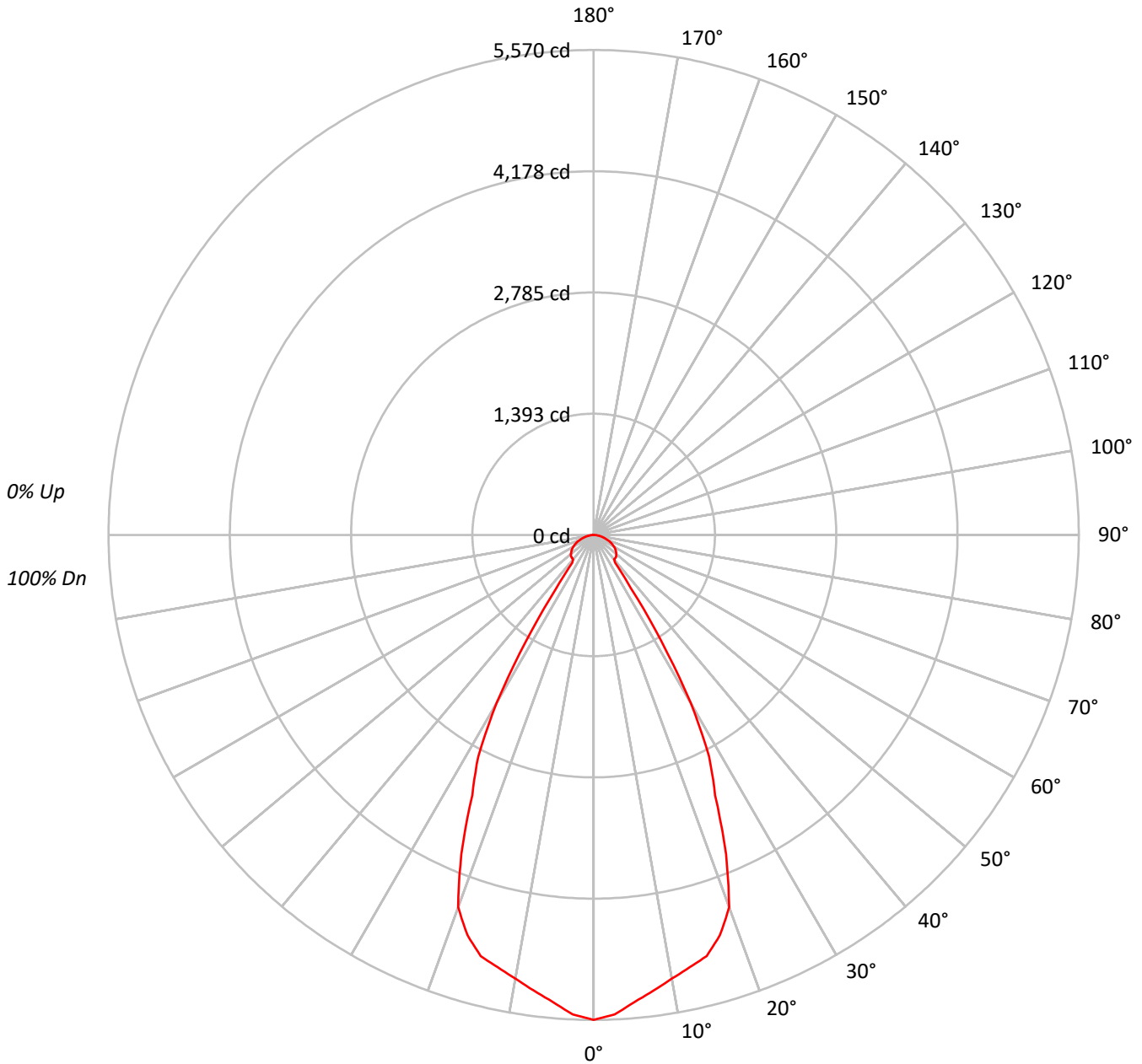
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	608615
5°	590529
10°	574069
15°	566537
20°	529030
25°	397437
30°	280953
35°	99517
40°	52331
45°	55735
50°	57708
55°	58804
60°	59176
65°	57911
70°	54659
75°	50616
80°	44925
85°	36481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 59176 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.8	10.3
10°-20°	1393.0	28.1
20°-30°	1534.2	31.0
30°-40°	586.2	11.8
40°-50°	276.8	5.6
50°-60°	275.1	5.6
60°-70°	220.3	4.4
70°-80°	126.6	2.6
80°-90°	34.4	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°	3435.1	69.3
0°-40°	4021.2	81.2
0°-60°	4573.1	92.3
0°-90°	4954.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4954.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5570	
5°	5384	508
15°	5008	1393
25°	3297	1534
35°	746	586
45°	361	277
55°	309	275
65°	224	220
75°	120	127
85°	29	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5570.3
2.5°	5512.1
5°	5384.2
7.5°	5277.5
10°	5174.3
12.5°	5087.0
15°	5008.5
17.5°	4818.9
20°	4549.9
22.5°	3969.6
25°	3296.7
27.5°	2869.8
30°	2226.9
32.5°	1438.4
35°	746.1
37.5°	403.0
40°	366.9
42.5°	364.2
45°	360.7
47.5°	352.8
50°	339.5
52.5°	324.5
55°	308.7
57.5°	291.0
60°	270.8
62.5°	247.8
65°	224.0
67.5°	197.6
70°	171.1
72.5°	144.6
75°	119.9
77.5°	94.4
80°	71.4
82.5°	50.3
85°	29.1
87.5°	11.5
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)