

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



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: P770129

Luminaire Tested: LD6D65D010-EU6DR7055659027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770129
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-EU6DR7055659027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4514.2 lumens
Efficiency: N/A
Efficacy: 62.0 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

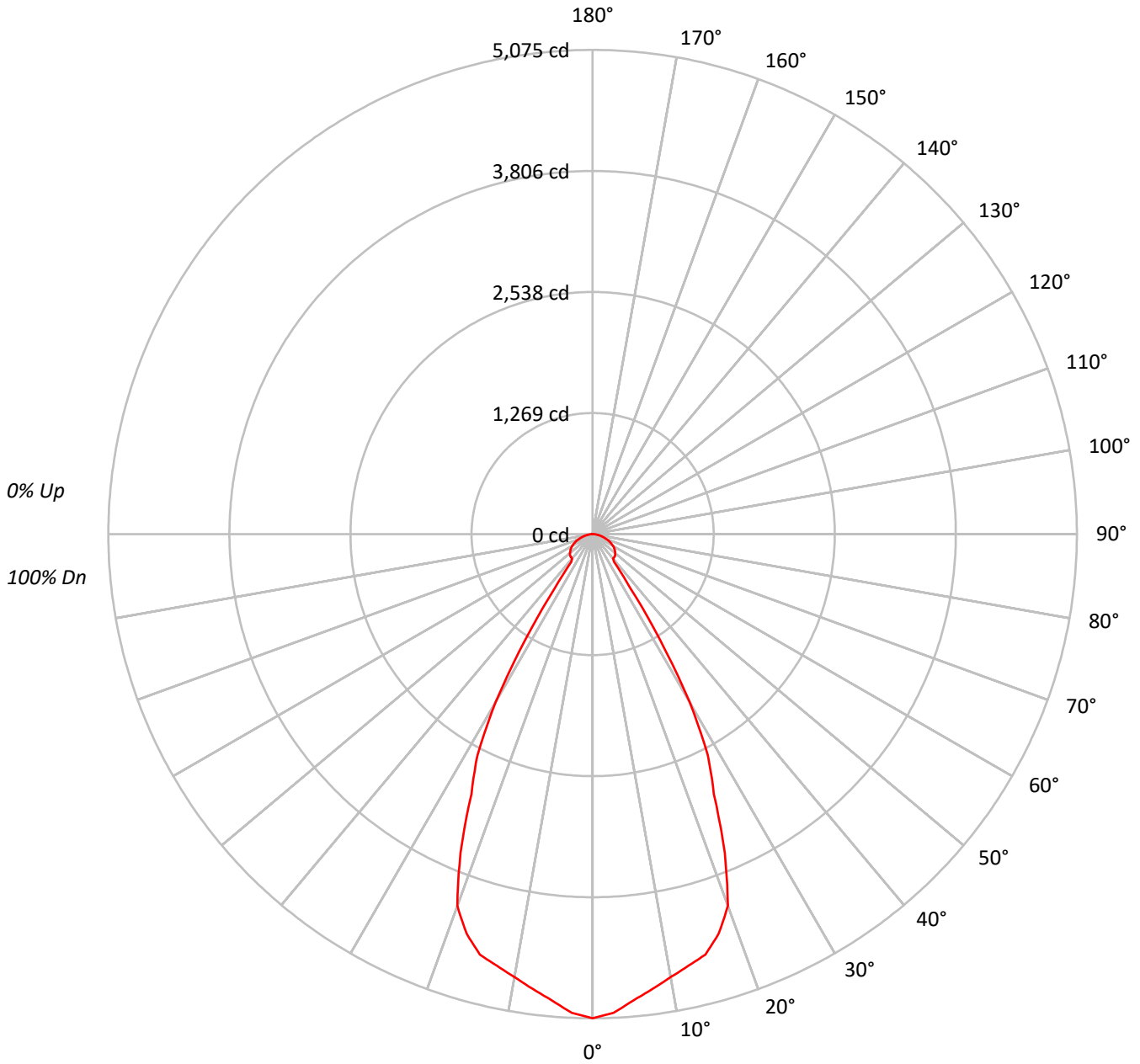
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	554531
5°	538048
10°	523056
15°	516189
20°	482021
25°	362114
30°	255986
35°	90674
40°	47681
45°	50790
50°	52592
55°	53566
60°	53909
65°	52767
70°	49803
75°	46141
80°	40961
85°	33221

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 53929 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.7	10.3
10°-20°	1269.2	28.1
20°-30°	1397.9	31.0
30°-40°	534.1	11.8
40°-50°	252.2	5.6
50°-60°	250.7	5.6
60°-70°	200.7	4.4
70°-80°	115.4	2.6
80°-90°	31.3	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°	3129.8	69.3
0°-40°	3663.9	81.2
0°-60°	4166.8	92.3
0°-90°	4514.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4514.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5075	
5°	4906	463
15°	4563	1269
25°	3004	1398
35°	680	534
45°	329	252
55°	281	251
65°	204	201
75°	109	115
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5075.3
2.5°	5022.2
5°	4905.7
7.5°	4808.5
10°	4714.5
12.5°	4634.9
15°	4563.4
17.5°	4390.7
20°	4145.6
22.5°	3616.8
25°	3003.7
27.5°	2614.8
30°	2029.0
32.5°	1310.6
35°	679.8
37.5°	367.2
40°	334.3
42.5°	331.9
45°	328.7
47.5°	321.4
50°	309.4
52.5°	295.7
55°	281.2
57.5°	265.2
60°	246.7
62.5°	225.8
65°	204.1
67.5°	180.0
70°	155.9
72.5°	131.8
75°	109.3
77.5°	86.0
80°	65.1
82.5°	45.8
85°	26.5
87.5°	10.4
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)