

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: P769755

Luminaire Tested: LD6D65D010-EU6DR4555659030-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769755  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR4555659030-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7675.1 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

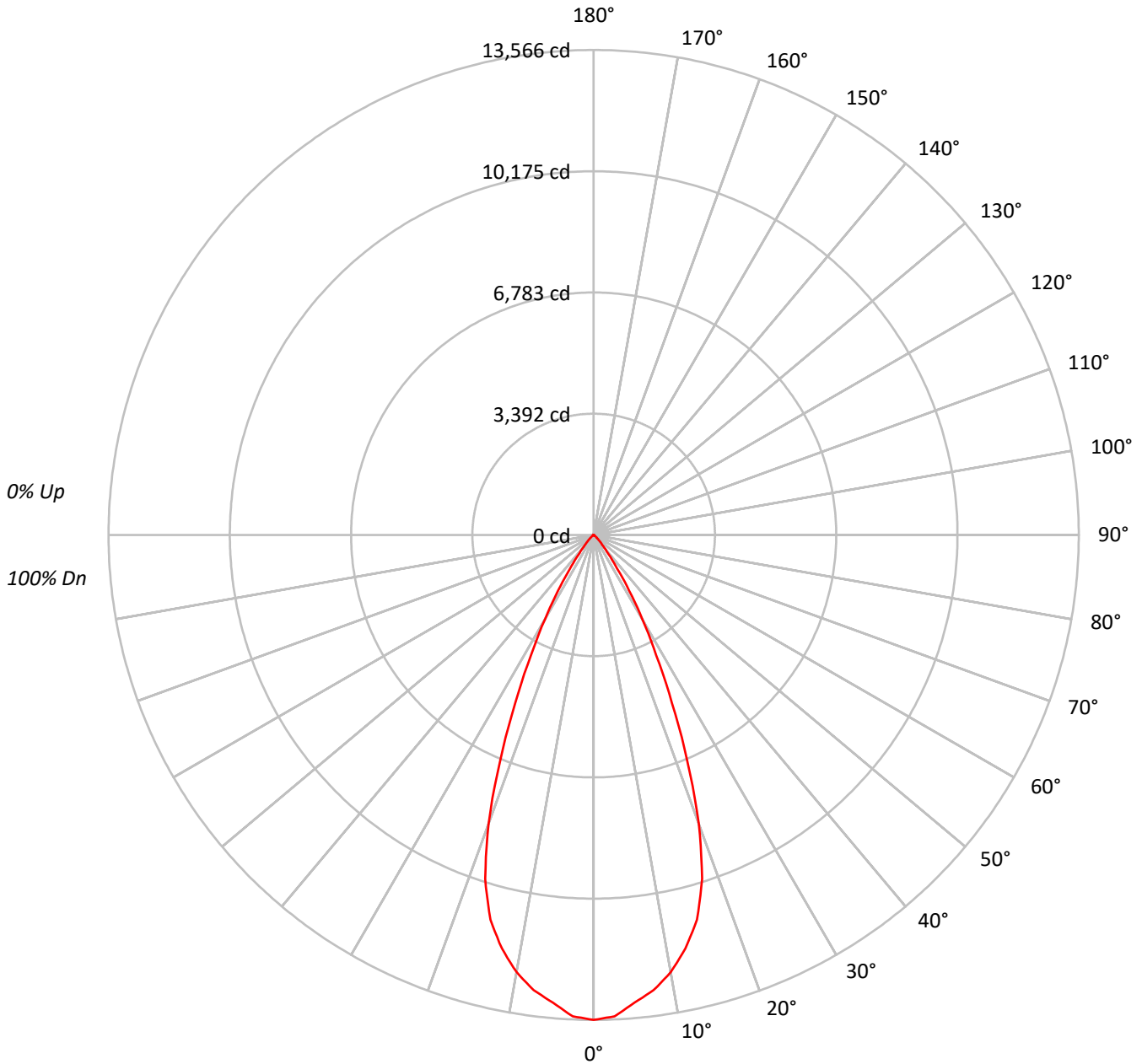
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1482220
5°	1440019
10°	1377709
15°	1260894
20°	1000330
25°	624516
30°	344212
35°	154564
40°	60874
45°	28694
50°	13598
55°	7105
60°	3496
65°	827
70°	351
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 28694 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1233.6	16.1
10°-20°	3036.1	39.6
20°-30°	2404.3	31.3
30°-40°	800.7	10.4
40°-50°	158.9	2.1
50°-60°	36.1	0.5
60°-70°	5.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	6674.1	87.0
0°-40°	7474.8	97.4
0°-60°	7669.8	99.9
0°-90°	7675.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7675.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13566	
5°	13130	###
15°	11147	3036
25°	5180	2404
35°	1159	801
45°	186	159
55°	37	36
65°	3	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13565.9
2.5°	13477.4
5°	13129.5
7.5°	12842.5
10°	12417.8
12.5°	11852.3
15°	11147.0
17.5°	10086.4
20°	8603.3
22.5°	6836.3
25°	5180.3
27.5°	3793.2
30°	2728.3
32.5°	1855.5
35°	1158.8
37.5°	687.2
40°	426.8
42.5°	280.6
45°	185.7
47.5°	119.5
50°	80.0
52.5°	53.4
55°	37.3
57.5°	24.5
60°	16.0
62.5°	8.5
65°	3.2
67.5°	1.1
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)