

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: P770118

Luminaire Tested: LD6D65D010-EU6DR7055659024-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770118  
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-EU6DR7055659024-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7191.8 lumens  
Efficiency: N/A  
Efficacy: 98.8 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

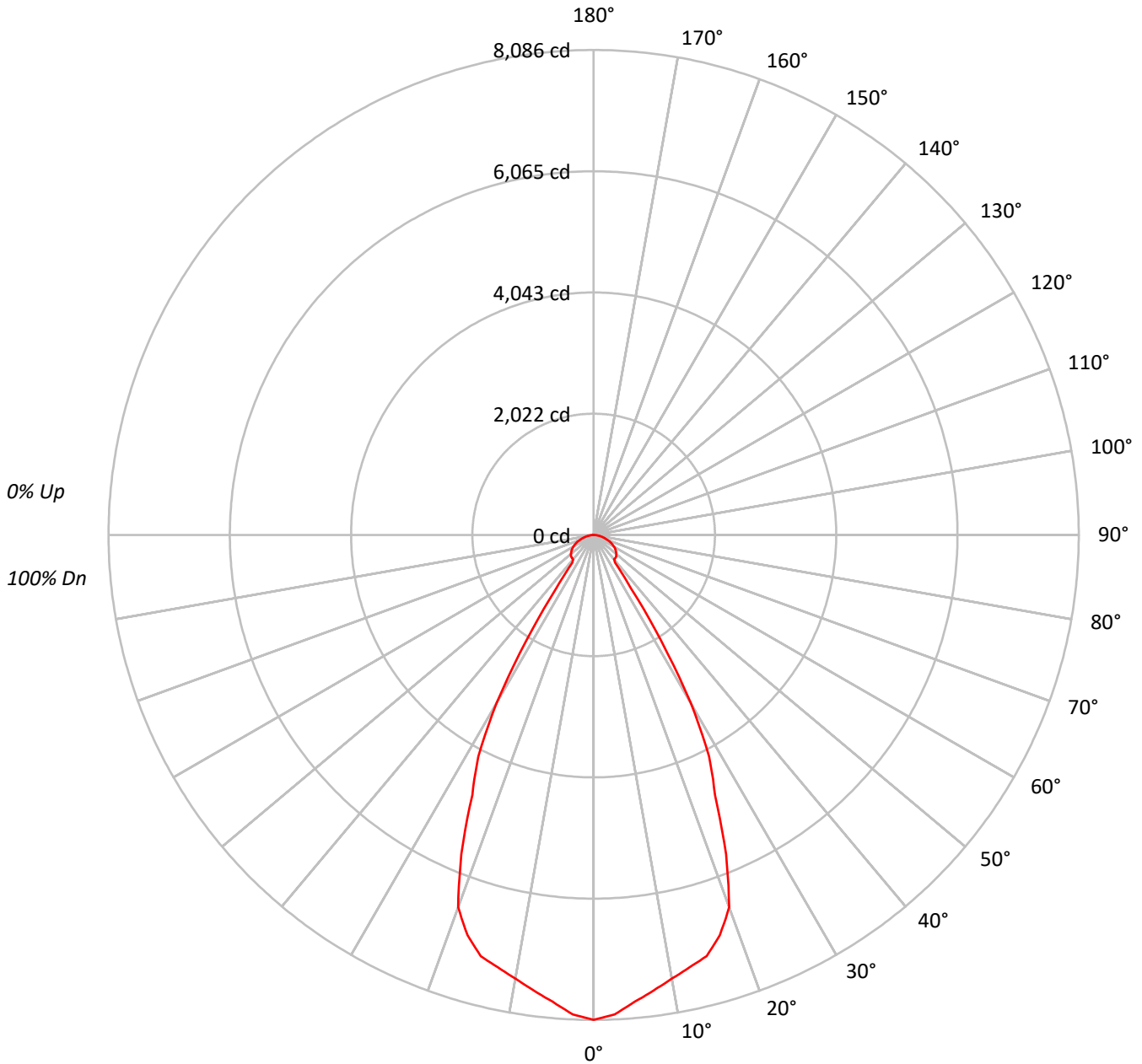
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	883439
5°	857189
10°	833295
15°	822369
20°	767924
25°	576896
30°	407823
35°	144454
40°	75965
45°	80906
50°	83783
55°	85359
60°	85879
65°	84075
70°	79353
75°	73497
80°	65249
85°	52903

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 85916 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	737.2	10.3
10°-20°	2022.0	28.1
20°-30°	2227.0	31.0
30°-40°	850.9	11.8
40°-50°	401.8	5.6
50°-60°	399.4	5.6
60°-70°	319.8	4.4
70°-80°	183.8	2.6
80°-90°	50.0	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°	4986.2	69.3
0°-40°	5837.1	81.2
0°-60°	6638.3	92.3
0°-90°	7191.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7191.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8086	
5°	7816	737
15°	7270	2022
25°	4785	2227
35°	1083	851
45°	524	402
55°	448	399
65°	325	320
75°	174	184
85°	42	50
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8085.6
2.5°	8001.1
5°	7815.5
7.5°	7660.6
10°	7510.8
12.5°	7384.1
15°	7270.2
17.5°	6994.9
20°	6604.5
22.5°	5762.1
25°	4785.3
27.5°	4165.7
30°	3232.5
32.5°	2088.0
35°	1083.0
37.5°	585.0
40°	532.6
42.5°	528.7
45°	523.6
47.5°	512.1
50°	492.9
52.5°	471.1
55°	448.1
57.5°	422.5
60°	393.0
62.5°	359.7
65°	325.2
67.5°	286.8
70°	248.4
72.5°	209.9
75°	174.1
77.5°	137.0
80°	103.7
82.5°	73.0
85°	42.2
87.5°	16.6
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)