

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: P771703

Luminaire Tested: LD6D75BD010-EU6DR7070959030-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771703  
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: LD6D75BD010-EU6DR7070959030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8611.6 lumens  
Efficiency: N/A  
Efficacy: 118.9 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

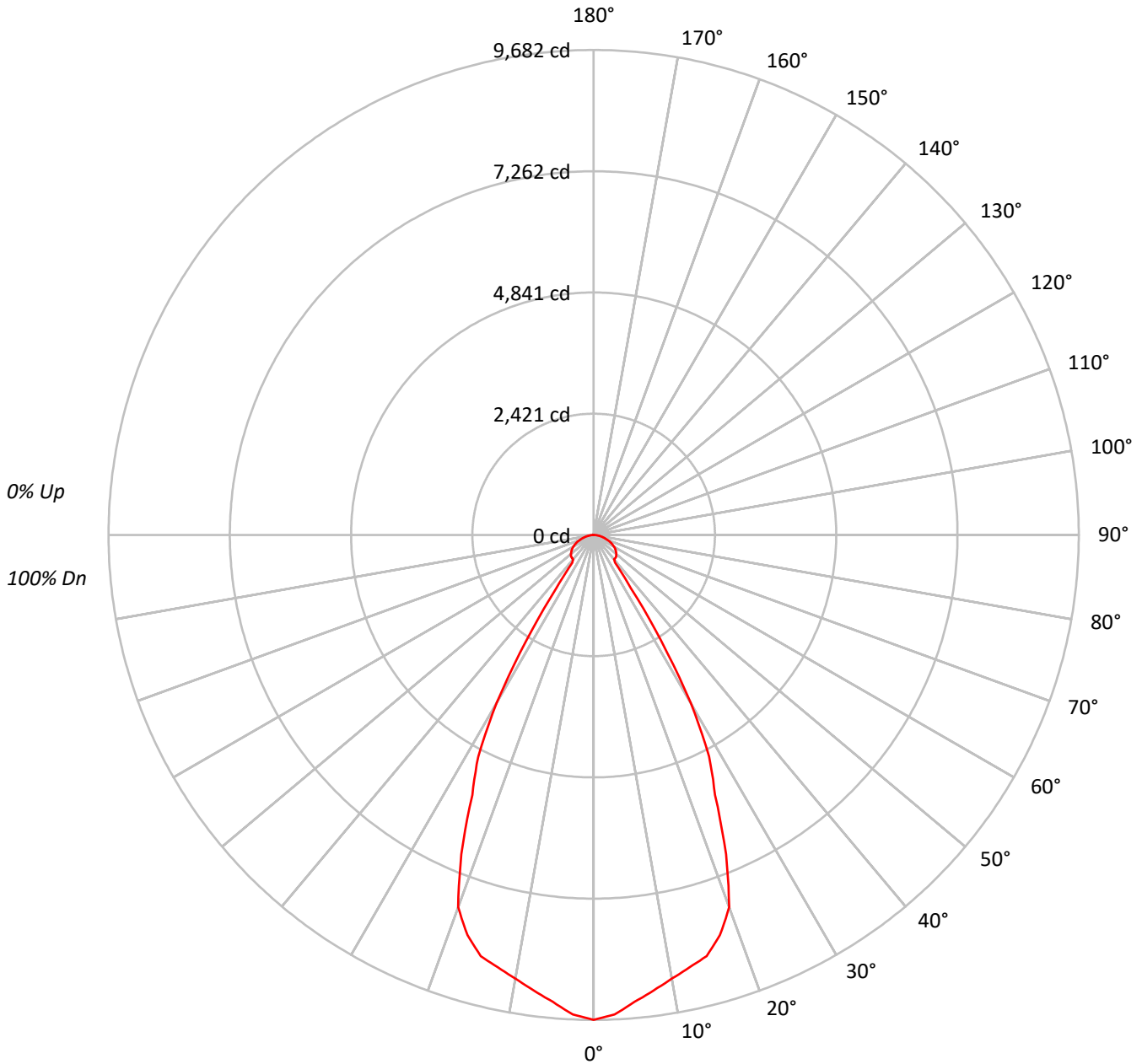
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°
0°	1057841
5°	1026412
10°	997806
15°	984712
20°	919521
25°	690785
30°	488328
35°	172971
40°	90955
45°	96883
50°	100322
55°	102198
60°	102836
65°	100673
70°	95007
75°	88019
80°	78148
85°	63434

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 102876 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	882.7	10.3
10°-20°	2421.2	28.1
20°-30°	2666.6	31.0
30°-40°	1018.8	11.8
40°-50°	481.1	5.6
50°-60°	478.3	5.6
60°-70°	382.9	4.4
70°-80°	220.1	2.6
80°-90°	59.8	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°	5970.5	69.3
0°-40°	6989.4	81.2
0°-60°	7948.7	92.3
0°-90°	8611.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8611.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9682	
5°	9358	883
15°	8705	2421
25°	5730	2667
35°	1297	1019
45°	627	481
55°	536	478
65°	389	383
75°	208	220
85°	51	60
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9681.8
2.5°	9580.7
5°	9358.4
7.5°	9172.9
10°	8993.6
12.5°	8841.8
15°	8705.4
17.5°	8375.8
20°	7908.3
22.5°	6899.6
25°	5730.0
27.5°	4988.1
30°	3870.6
32.5°	2500.2
35°	1296.8
37.5°	700.5
40°	637.7
42.5°	633.1
45°	627.0
47.5°	613.2
50°	590.2
52.5°	564.1
55°	536.5
57.5°	505.9
60°	470.6
62.5°	430.7
65°	389.4
67.5°	343.4
70°	297.4
72.5°	251.4
75°	208.5
77.5°	164.0
80°	124.2
82.5°	87.4
85°	50.6
87.5°	19.9
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)