

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: P770795

Luminaire Tested: LD6D70BD010-EU6DR6070959040-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D70BD010-EU6DR6070959040-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7754.1 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

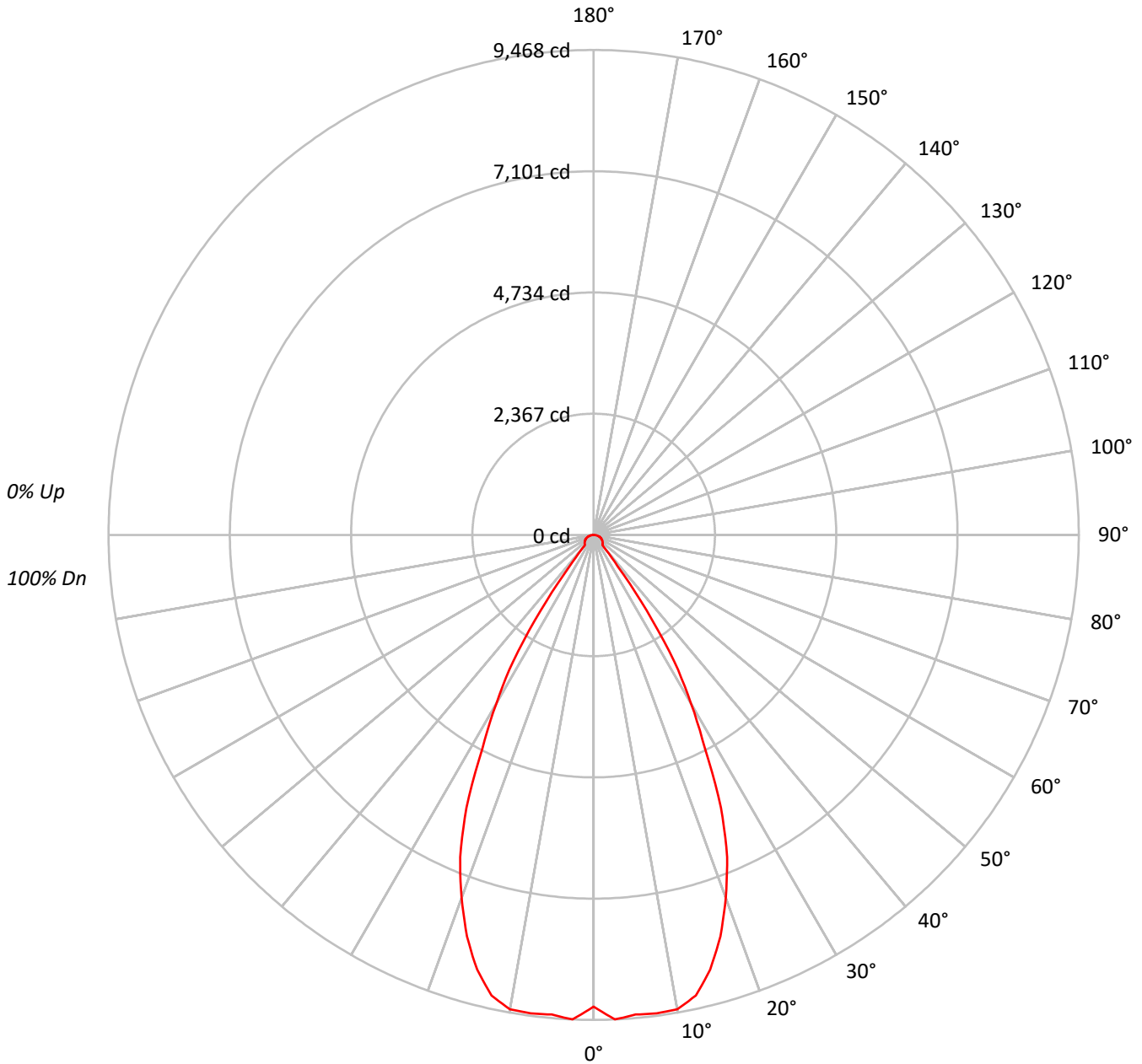
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	1006182
5°	1030919
10°	1043372
15°	993953
20°	876360
25°	708820
30°	479459
35°	240262
40°	38966
45°	38151
50°	38908
55°	39489
60°	40601
65°	41520
70°	42488
75°	43017
80°	41465
85°	34600

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 43017 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	898.4	11.6
10°-20°	2430.6	31.3
20°-30°	2615.1	33.7
30°-40°	1136.7	14.7
40°-50°	190.9	2.5
50°-60°	185.6	2.4
60°-70°	158.8	2.0
70°-80°	106.2	1.4
80°-90°	31.8	0.4
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°	5944.0	76.7
0°-40°	7080.7	91.3
0°-60°	7457.3	96.2
0°-90°	7754.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7754.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9209	
5°	9400	898
15°	8787	2431
25°	5880	2615
35°	1801	1137
45°	247	191
55°	207	186
65°	161	159
75°	102	106
85°	28	32
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9209.0
2.5°	9467.8
5°	9399.5
7.5°	9421.1
10°	9404.3
12.5°	9210.2
15°	8787.1
17.5°	8219.0
20°	7537.1
22.5°	6807.3
25°	5879.6
27.5°	4702.8
30°	3800.3
32.5°	2929.0
35°	1801.3
37.5°	770.6
40°	273.2
42.5°	251.7
45°	246.9
47.5°	238.5
50°	228.9
52.5°	218.1
55°	207.3
57.5°	196.5
60°	185.8
62.5°	173.8
65°	160.6
67.5°	147.4
70°	133.0
72.5°	117.4
75°	101.9
77.5°	83.9
80°	65.9
82.5°	46.7
85°	27.6
87.5°	9.6
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)