

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: P773938

Luminaire Tested: LD6D90BD010-EU6DR6570959024-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR6570959024-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6105.1 lumens  
Efficiency: N/A  
Efficacy: 61.7 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

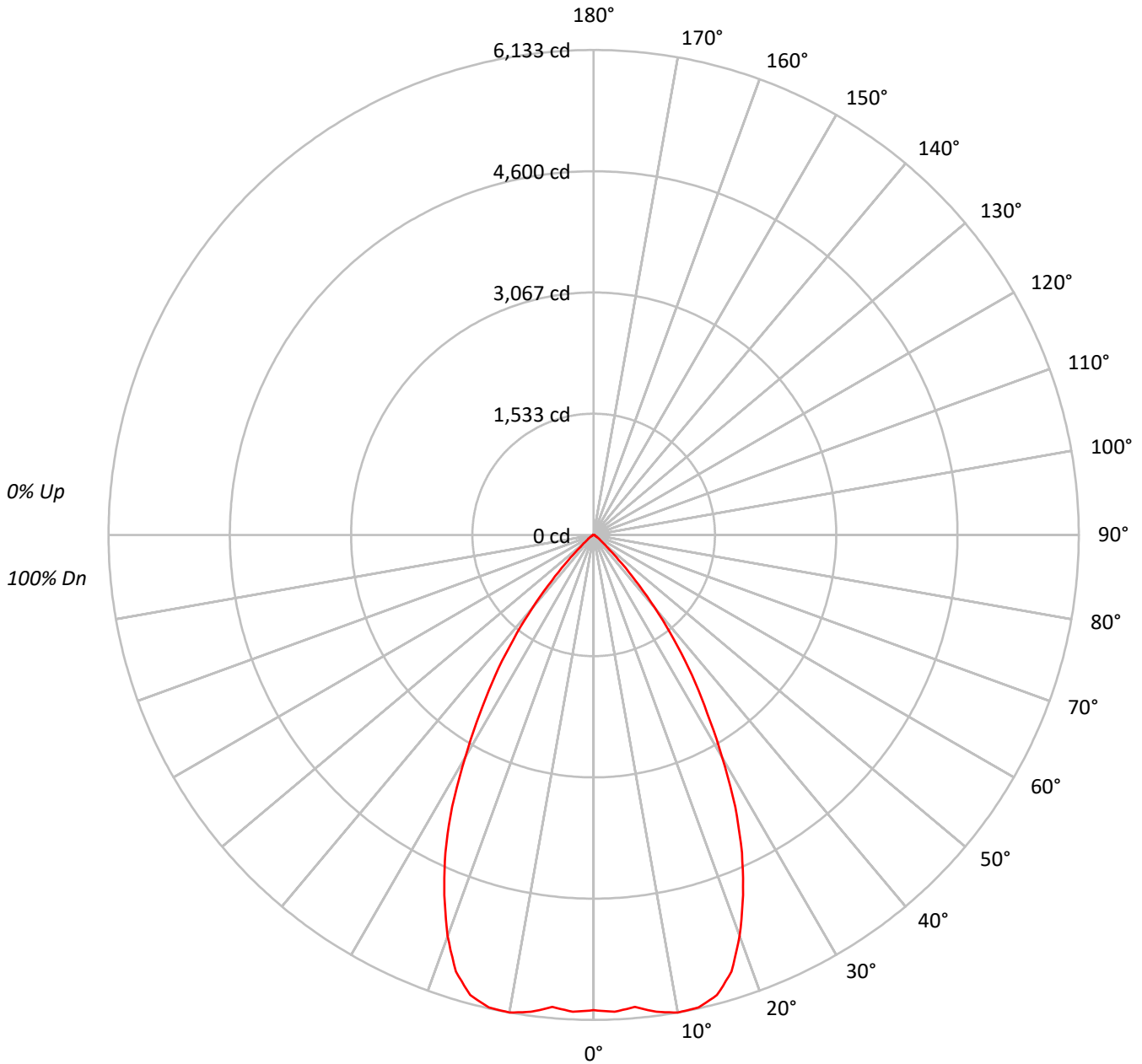
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

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

	0°
0°	656755
5°	657301
10°	680445
15°	681563
20°	627501
25°	534653
30°	409299
35°	289160
40°	170685
45°	69286
50°	25123
55°	14001
60°	8020
65°	4421
70°	4632
75°	3588
80°	3775
85°	3259

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 69286 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	578.8	9.5
10°-20°	1669.6	27.3
20°-30°	2003.2	32.8
30°-40°	1346.2	22.0
40°-50°	403.0	6.6
50°-60°	71.1	1.2
60°-70°	20.2	0.3
70°-80°	9.9	0.2
80°-90°	3.2	0.1
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°	4251.5	69.6
0°-40°	5597.7	91.7
0°-60°	6071.9	99.5
0°-90°	6105.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6105.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6011	
5°	5993	579
15°	6025	1670
25°	4435	2003
35°	2168	1346
45°	448	403
55°	74	71
65°	17	20
75°	8	10
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6010.9
2.5°	6036.6
5°	5993.0
7.5°	6083.5
10°	6133.1
12.5°	6121.1
15°	6025.4
17.5°	5791.4
20°	5396.8
22.5°	4932.1
25°	4434.9
27.5°	3873.7
30°	3244.2
32.5°	2673.6
35°	2167.9
37.5°	1668.2
40°	1196.7
42.5°	781.6
45°	448.4
47.5°	237.5
50°	147.8
52.5°	102.5
55°	73.5
57.5°	53.0
60°	36.7
62.5°	23.9
65°	17.1
67.5°	15.4
70°	14.5
72.5°	11.1
75°	8.5
77.5°	7.7
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
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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Scaled Data Report



(END OF REPORT)