

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: P773861

Luminaire Tested: LD6D90BD010-EU6DR6070959024-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773861  
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: LD6D90BD010-EU6DR6070959024-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9380.0 lumens  
Efficiency: N/A  
Efficacy: 94.8 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

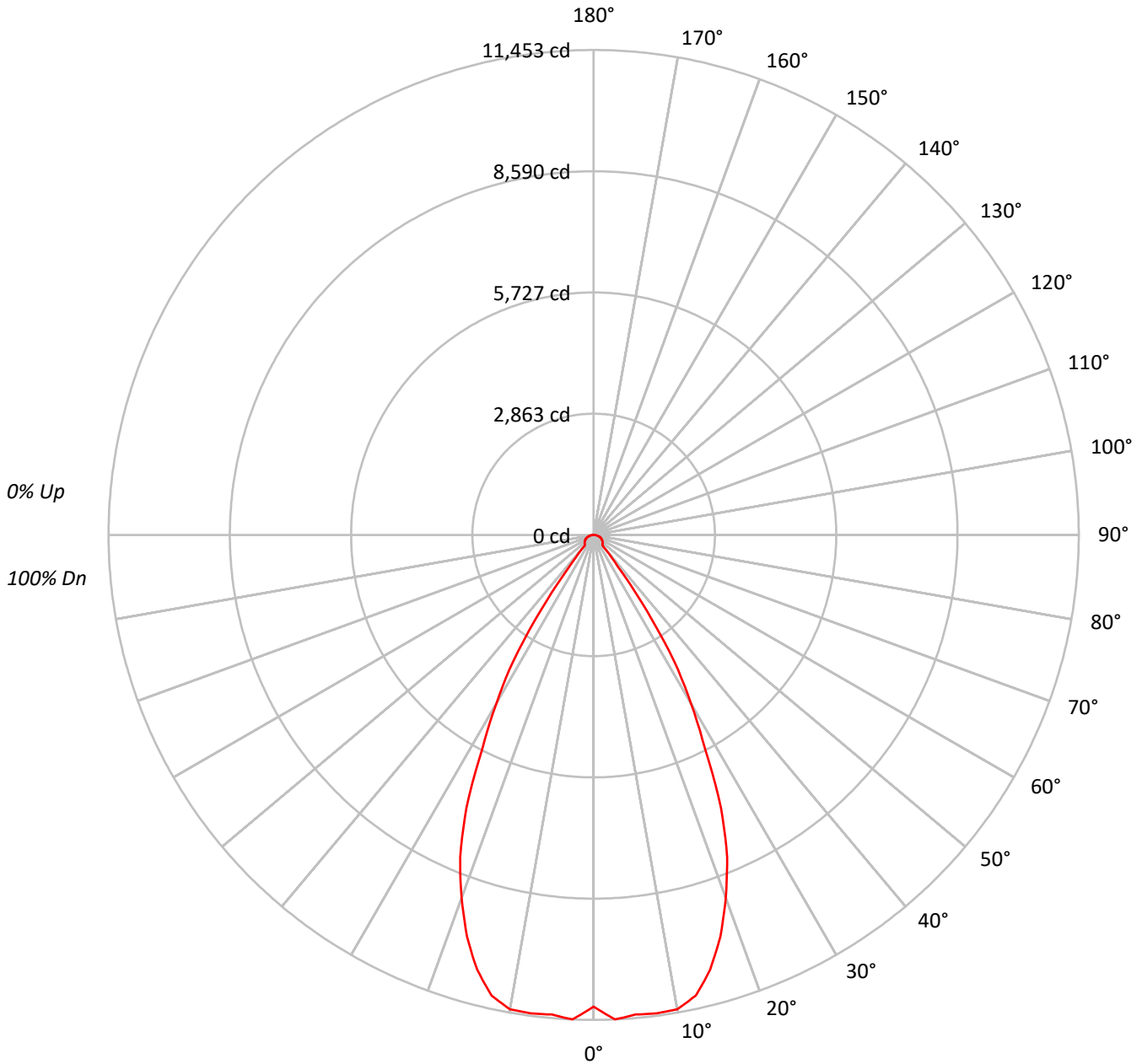
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1217165
5°	1247095
10°	1262158
15°	1202379
20°	1060129
25°	857454
30°	579999
35°	290641
40°	47139
45°	46155
50°	47067
55°	47775
60°	49102
65°	50233
70°	51401
75°	52009
80°	50148
85°	41746

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 52009 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1086.7	11.6
10°-20°	2940.2	31.3
20°-30°	3163.4	33.7
30°-40°	1375.1	14.7
40°-50°	231.0	2.5
50°-60°	224.6	2.4
60°-70°	192.1	2.0
70°-80°	128.5	1.4
80°-90°	38.4	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°	7190.4	76.7
0°-40°	8565.5	91.3
0°-60°	9021.0	96.2
0°-90°	9380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11140	
5°	11370	###
15°	10630	2940
25°	7112	3163
35°	2179	1375
45°	299	231
55°	251	225
65°	194	192
75°	123	129
85°	33	38
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11140.0
2.5°	11453.1
5°	11370.5
7.5°	11396.6
10°	11376.3
12.5°	11141.4
15°	10629.7
17.5°	9942.5
20°	9117.6
22.5°	8234.7
25°	7112.5
27.5°	5688.9
30°	4597.2
32.5°	3543.2
35°	2179.0
37.5°	932.2
40°	330.5
42.5°	304.5
45°	298.7
47.5°	288.5
50°	276.9
52.5°	263.9
55°	250.8
57.5°	237.8
60°	224.7
62.5°	210.2
65°	194.3
67.5°	178.3
70°	160.9
72.5°	142.1
75°	123.2
77.5°	101.5
80°	79.7
82.5°	56.5
85°	33.3
87.5°	11.6
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)