

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: P770767

Luminaire Tested: LD6D70BD010-EU6DR6070959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770767
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-EU6DR6070959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8094.6 lumens
Efficiency: N/A
Efficacy: 121.5 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

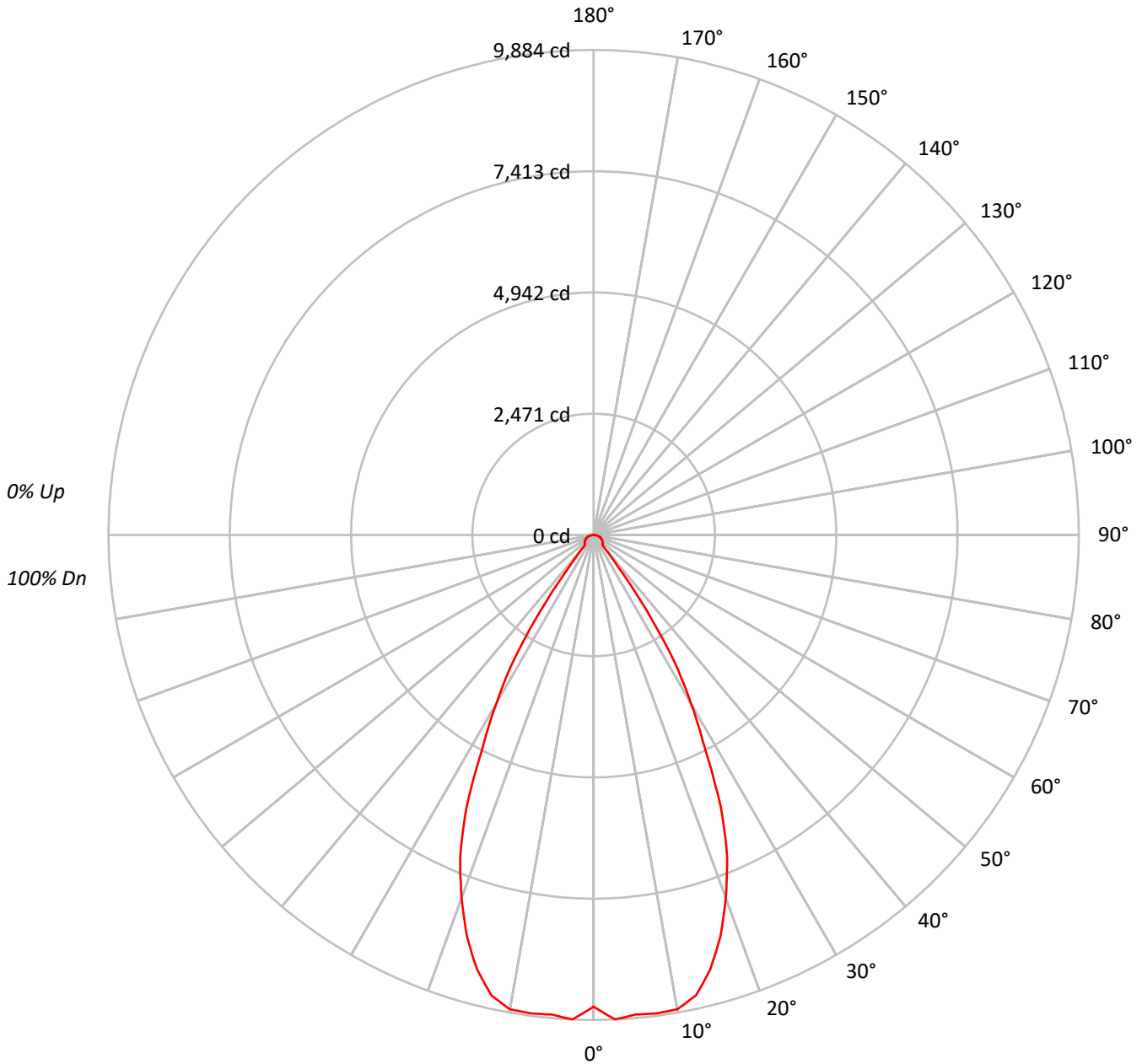
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1050367
5°	1076195
10°	1089193
15°	1037604
20°	914847
25°	739948
30°	500516
35°	250813
40°	40678
45°	39819
50°	40625
55°	41222
60°	42371
65°	43330
70°	44373
75°	44875
80°	43289
85°	36104

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 44875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	937.8	11.6
10°-20°	2537.3	31.3
20°-30°	2729.9	33.7
30°-40°	1186.6	14.7
40°-50°	199.3	2.5
50°-60°	193.8	2.4
60°-70°	165.7	2.0
70°-80°	110.9	1.4
80°-90°	33.2	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°	6205.0	76.7
0°-40°	7391.7	91.3
0°-60°	7784.8	96.2
0°-90°	8094.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8094.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9613	
5°	9812	938
15°	9173	2537
25°	6138	2730
35°	1880	1187
45°	258	199
55°	216	194
65°	168	166
75°	106	111
85°	29	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9613.4
2.5°	9883.6
5°	9812.3
7.5°	9834.8
10°	9817.3
12.5°	9614.6
15°	9173.0
17.5°	8580.0
20°	7868.1
22.5°	7106.2
25°	6137.8
27.5°	4909.3
30°	3967.2
32.5°	3057.7
35°	1880.4
37.5°	804.4
40°	285.2
42.5°	262.7
45°	257.7
47.5°	249.0
50°	239.0
52.5°	227.7
55°	216.4
57.5°	205.2
60°	193.9
62.5°	181.4
65°	167.6
67.5°	153.9
70°	138.9
72.5°	122.6
75°	106.3
77.5°	87.6
80°	68.8
82.5°	48.8
85°	28.8
87.5°	10.0
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)