

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: P770793

Luminaire Tested: LD6D70BD010-EU6DR6070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770793
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-EU6DR6070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8562.3 lumens
Efficiency: N/A
Efficacy: 128.6 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

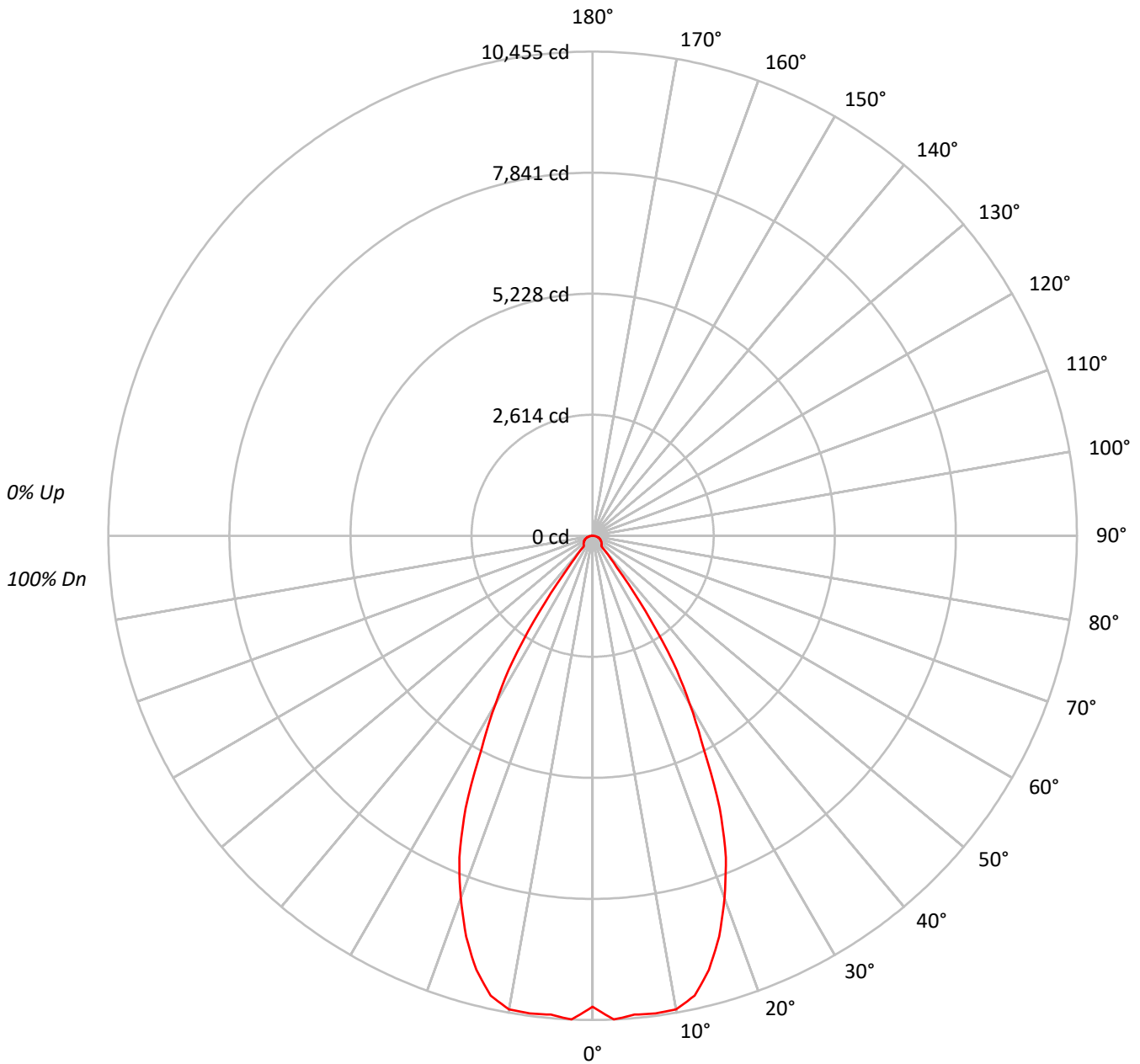


Downlight

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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																			
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°	1111051
5°	1138371
10°	1152122
15°	1097555
20°	967704
25°	782709
30°	529432
35°	265298
40°	43031
45°	42122
50°	42971
55°	43603
60°	44819
65°	45838
70°	46928
75°	47492
80°	45806
85°	38110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 47492 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.0	11.6
10°-20°	2683.9	31.3
20°-30°	2887.7	33.7
30°-40°	1255.2	14.7
40°-50°	210.8	2.5
50°-60°	205.0	2.4
60°-70°	175.3	2.0
70°-80°	117.3	1.4
80°-90°	35.1	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°	6563.5	76.7
0°-40°	7818.7	91.3
0°-60°	8234.5	96.2
0°-90°	8562.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8562.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10169	
5°	10379	992
15°	9703	2684
25°	6492	2888
35°	1989	1255
45°	273	211
55°	229	205
65°	177	175
75°	112	117
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10168.8
2.5°	10454.6
5°	10379.2
7.5°	10403.0
10°	10384.5
12.5°	10170.1
15°	9703.0
17.5°	9075.7
20°	8322.7
22.5°	7516.8
25°	6492.5
27.5°	5192.9
30°	4196.4
32.5°	3234.3
35°	1989.0
37.5°	850.9
40°	301.7
42.5°	277.9
45°	272.6
47.5°	263.4
50°	252.8
52.5°	240.9
55°	228.9
57.5°	217.0
60°	205.1
62.5°	191.9
65°	177.3
67.5°	162.8
70°	146.9
72.5°	129.7
75°	112.5
77.5°	92.6
80°	72.8
82.5°	51.6
85°	30.4
87.5°	10.6
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)