

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: P771743

Luminaire Tested: LD6D75BD010-EU6DR7070959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR7070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9632.8 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

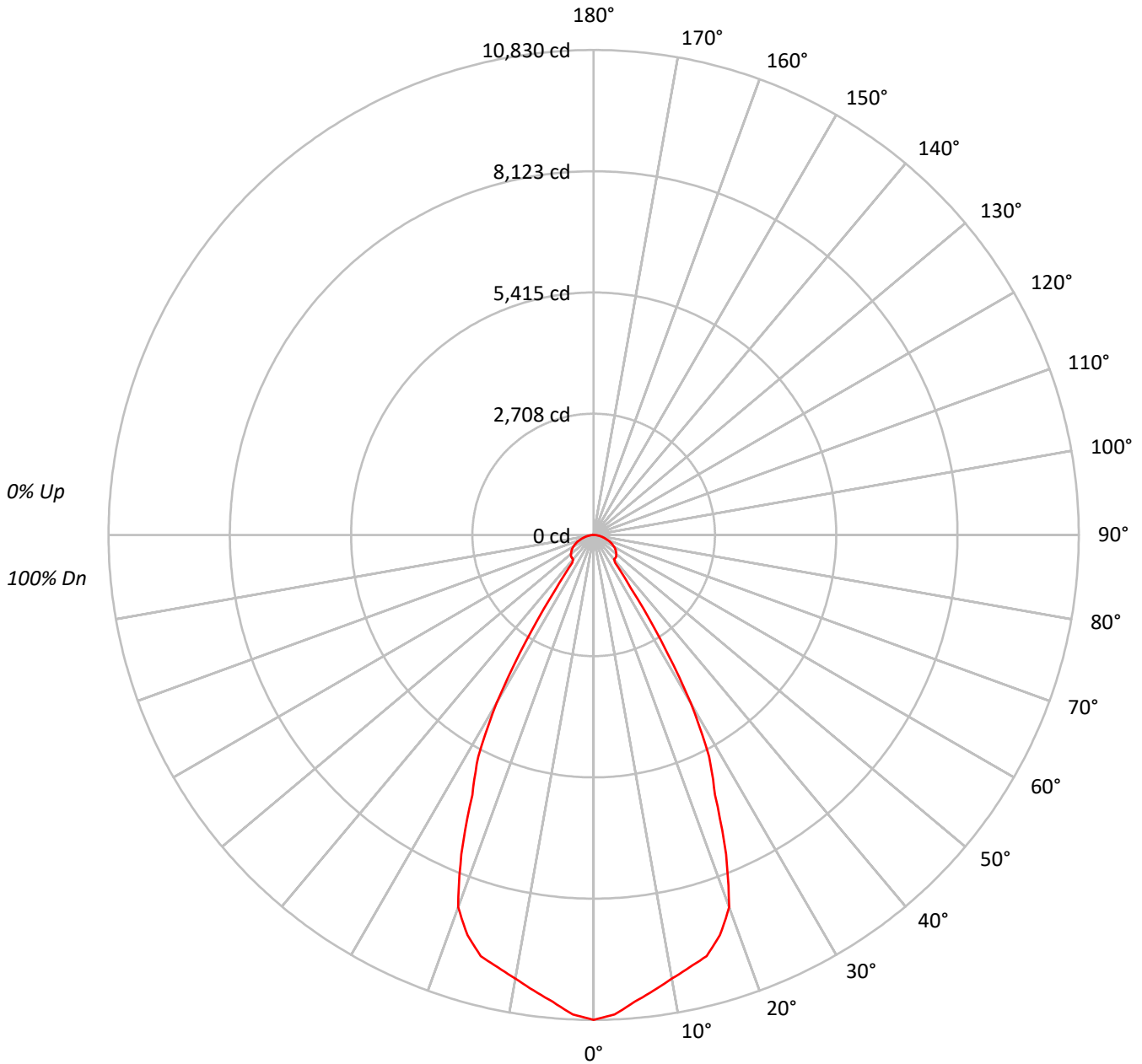


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1183305
5°	1148143
10°	1116142
15°	1101492
20°	1028573
25°	772715
30°	546237
35°	193485
40°	101738
45°	108364
50°	112221
55°	114313
60°	115030
65°	112591
70°	106283
75°	98446
80°	87397
85°	70955

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 115077 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	987.4	10.3
10°-20°	2708.4	28.1
20°-30°	2982.9	31.0
30°-40°	1139.7	11.8
40°-50°	538.1	5.6
50°-60°	535.0	5.6
60°-70°	428.3	4.4
70°-80°	246.2	2.6
80°-90°	66.9	0.7
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°	6678.6	69.3
0°-40°	7818.3	81.2
0°-60°	8891.4	92.3
0°-90°	9632.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9632.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10830	
5°	10468	987
15°	9738	2708
25°	6410	2983
35°	1451	1140
45°	701	538
55°	600	535
65°	436	428
75°	233	246
85°	57	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10830.1
2.5°	10716.9
5°	10468.3
7.5°	10260.8
10°	10060.2
12.5°	9890.5
15°	9737.8
17.5°	9369.2
20°	8846.2
22.5°	7717.9
25°	6409.6
27.5°	5579.7
30°	4329.6
32.5°	2796.7
35°	1450.6
37.5°	783.6
40°	713.3
42.5°	708.2
45°	701.3
47.5°	685.9
50°	660.2
52.5°	631.0
55°	600.1
57.5°	565.9
60°	526.4
62.5°	481.8
65°	435.5
67.5°	384.1
70°	332.7
72.5°	281.2
75°	233.2
77.5°	183.5
80°	138.9
82.5°	97.7
85°	56.6
87.5°	22.3
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)