

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: P771547

Luminaire Tested: LD6D75BD010-EU6DR6070959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771547
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: LD6D75BD010-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: 8555.5 lumens
Efficiency: N/A
Efficacy: 118.2 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): 72.4
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

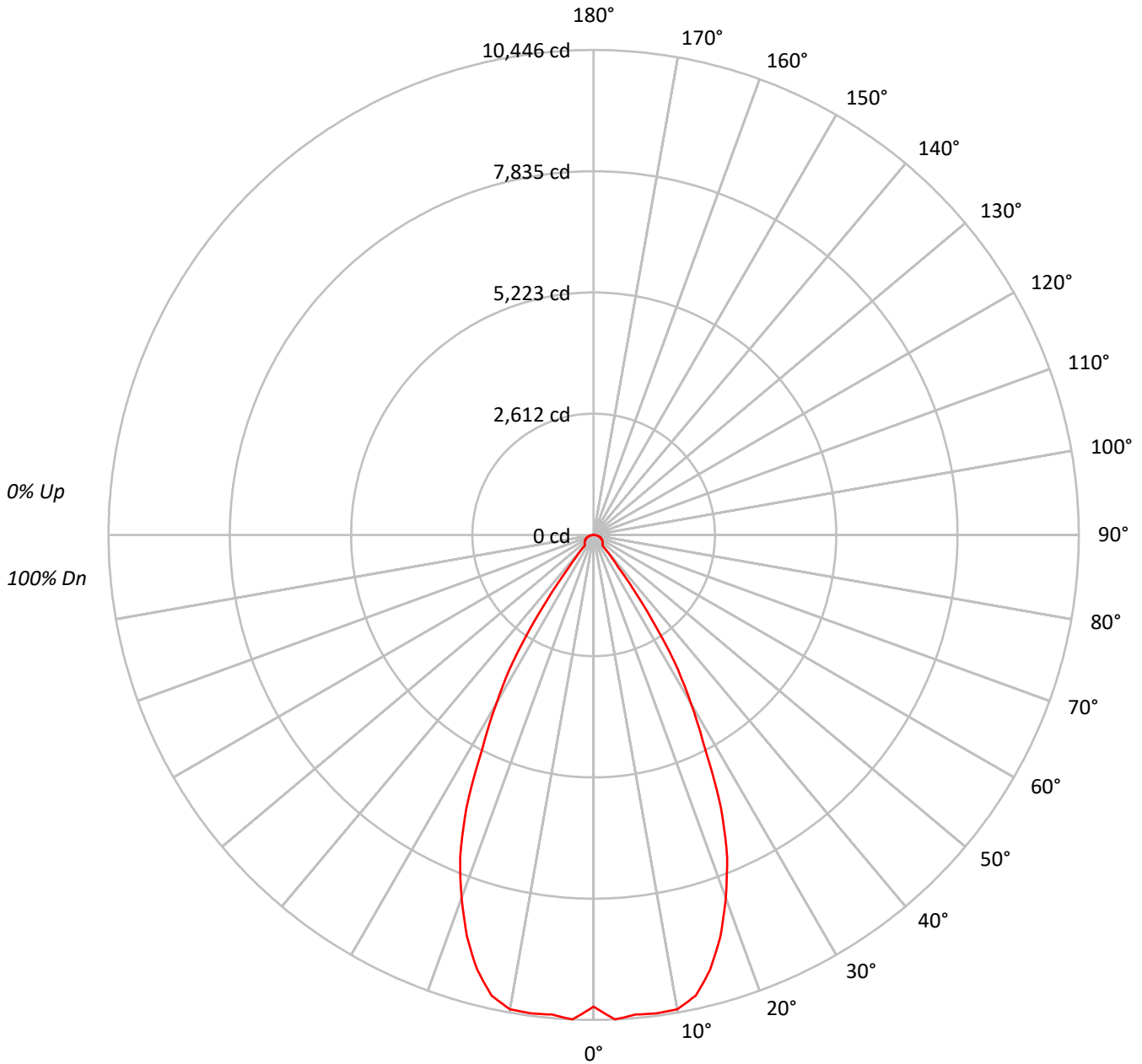


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	1110166
5°	1137461
10°	1151201
15°	1096673
20°	966925
25°	782082
30°	529016
35°	265085
40°	43003
45°	42091
50°	42937
55°	43584
60°	44797
65°	45812
70°	46896
75°	47450
80°	45743
85°	38110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 47450 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.2	11.6
10°-20°	2681.7	31.3
20°-30°	2885.3	33.7
30°-40°	1254.2	14.7
40°-50°	210.7	2.5
50°-60°	204.9	2.4
60°-70°	175.2	2.0
70°-80°	117.2	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°	6558.3	76.7
0°-40°	7812.5	91.3
0°-60°	8228.0	96.2
0°-90°	8555.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8555.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10161	
5°	10371	991
15°	9695	2682
25°	6487	2885
35°	1987	1254
45°	272	211
55°	229	205
65°	177	175
75°	112	117
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10160.7
2.5°	10446.3
5°	10370.9
7.5°	10394.7
10°	10376.2
12.5°	10162.0
15°	9695.2
17.5°	9068.4
20°	8316.0
22.5°	7510.7
25°	6487.3
27.5°	5188.8
30°	4193.1
32.5°	3231.7
35°	1987.4
37.5°	850.2
40°	301.5
42.5°	277.7
45°	272.4
47.5°	263.1
50°	252.6
52.5°	240.7
55°	228.8
57.5°	216.9
60°	205.0
62.5°	191.7
65°	177.2
67.5°	162.6
70°	146.8
72.5°	129.6
75°	112.4
77.5°	92.6
80°	72.7
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)