

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: P771574

Luminaire Tested: LD6D75BD010-EU6DR6070959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771574
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-EU6DR6070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 9502.2 lumens
Efficiency: N/A
Efficacy: 131.2 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 (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

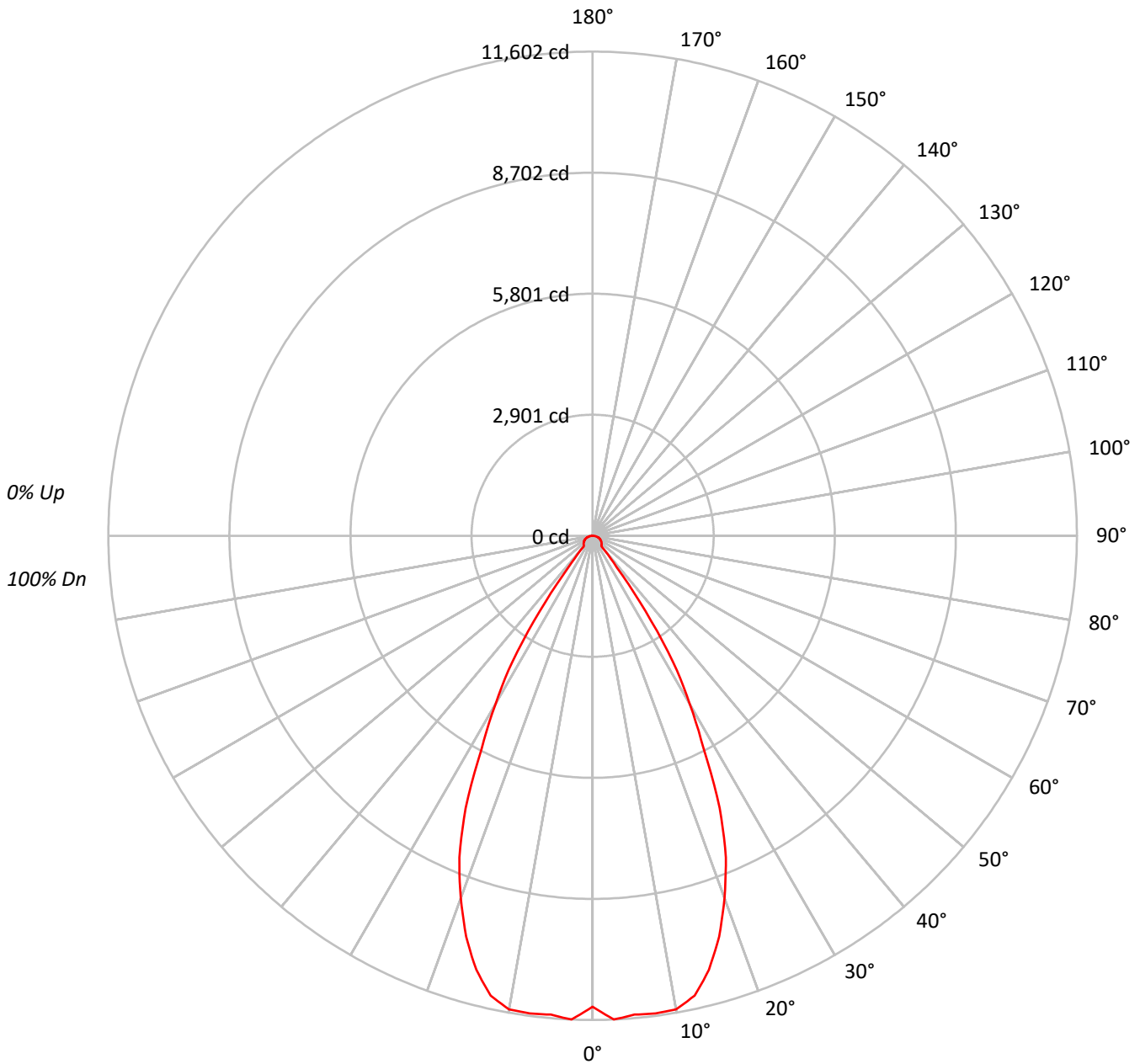


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1233019
5°	1263338
10°	1278600
15°	1218034
20°	1073931
25°	868629
30°	587556
35°	294429
40°	47767
45°	46742
50°	47679
55°	48404
60°	49735
65°	50879
70°	52072
75°	52684
80°	50840
85°	42373

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 52684 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1100.9	11.6
10°-20°	2978.5	31.3
20°-30°	3204.7	33.7
30°-40°	1393.0	14.7
40°-50°	234.0	2.5
50°-60°	227.5	2.4
60°-70°	194.6	2.0
70°-80°	130.2	1.4
80°-90°	38.9	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°	7284.1	76.7
0°-40°	8677.1	91.3
0°-60°	9138.5	96.2
0°-90°	9502.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9502.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11285	
5°	11519	###
15°	10768	2979
25°	7205	3205
35°	2207	1393
45°	302	234
55°	254	228
65°	197	195
75°	125	130
85°	34	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11285.1
2.5°	11602.3
5°	11518.6
7.5°	11545.1
10°	11524.5
12.5°	11286.6
15°	10768.1
17.5°	10072.0
20°	9236.3
22.5°	8341.9
25°	7205.2
27.5°	5763.0
30°	4657.1
32.5°	3589.4
35°	2207.4
37.5°	944.3
40°	334.9
42.5°	308.4
45°	302.5
47.5°	292.3
50°	280.5
52.5°	267.3
55°	254.1
57.5°	240.9
60°	227.6
62.5°	213.0
65°	196.8
67.5°	180.6
70°	163.0
72.5°	143.9
75°	124.8
77.5°	102.8
80°	80.8
82.5°	57.3
85°	33.8
87.5°	11.7
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)