

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: P771717

Luminaire Tested: LD6D75BD010-EU6DR7070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771717
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-EU6DR7070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9137.2 lumens
Efficiency: N/A
Efficacy: 126.2 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

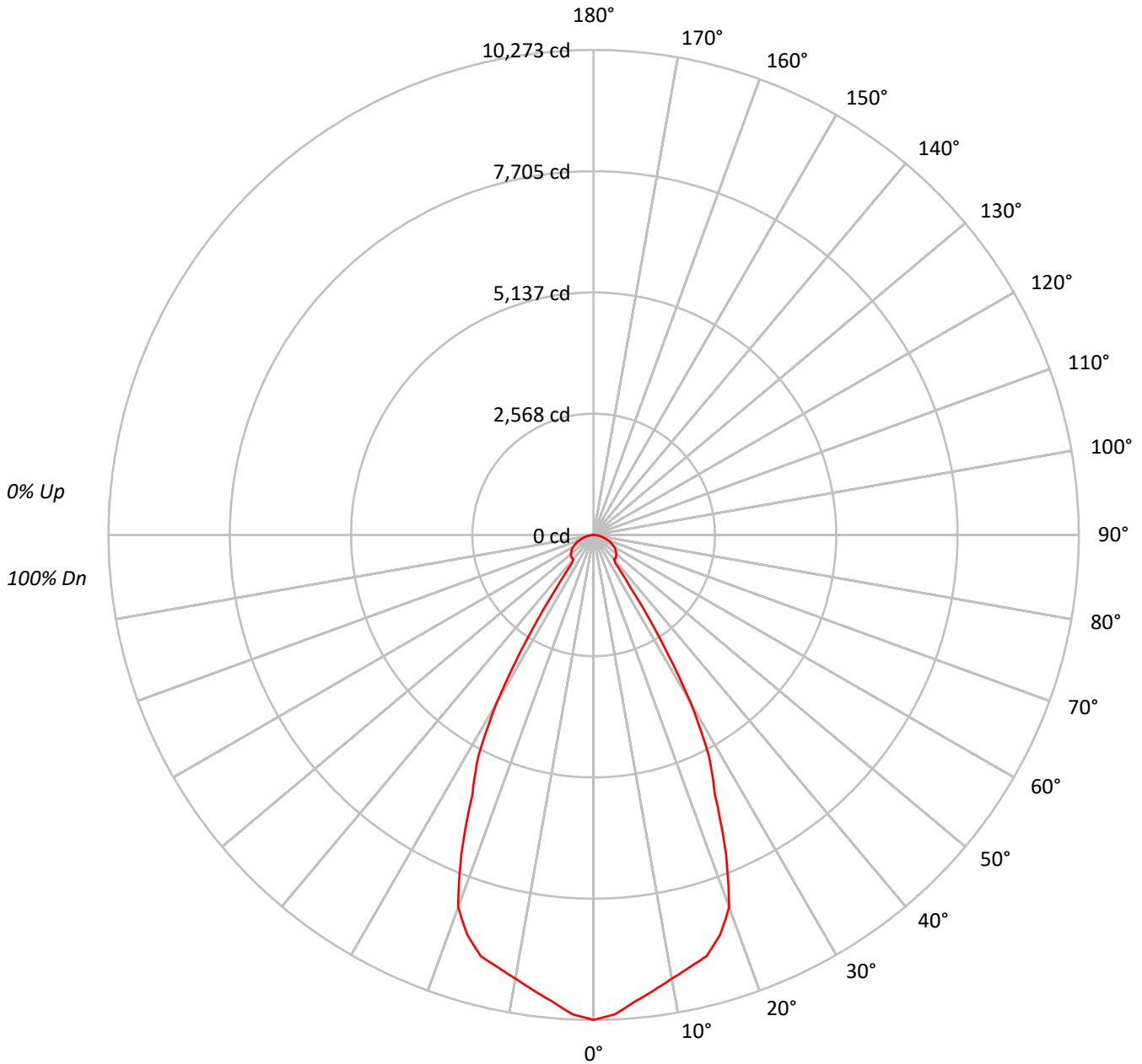
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	1122436
5°	1089082
10°	1058727
15°	1044832
20°	975669
25°	732968
30°	518141
35°	183535
40°	96503
45°	102785
50°	106441
55°	108446
60°	109108
65°	106800
70°	100789
75°	93380
80°	82867
85°	67320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 109139 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.6	10.3
10°-20°	2569.0	28.1
20°-30°	2829.5	31.0
30°-40°	1081.0	11.8
40°-50°	510.4	5.6
50°-60°	507.5	5.6
60°-70°	406.3	4.4
70°-80°	233.5	2.6
80°-90°	63.5	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°	6335.1	69.3
0°-40°	7416.1	81.2
0°-60°	8434.0	92.3
0°-90°	9137.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9137.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10273	
5°	9930	937
15°	9237	2569
25°	6080	2829
35°	1376	1081
45°	665	510
55°	569	507
65°	413	406
75°	221	233
85°	54	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10273.0
2.5°	10165.7
5°	9929.8
7.5°	9733.0
10°	9542.7
12.5°	9381.7
15°	9236.9
17.5°	8887.2
20°	8391.2
22.5°	7320.9
25°	6079.9
27.5°	5292.7
30°	4106.9
32.5°	2652.8
35°	1376.0
37.5°	743.3
40°	676.6
42.5°	671.7
45°	665.2
47.5°	650.6
50°	626.2
52.5°	598.6
55°	569.3
57.5°	536.7
60°	499.3
62.5°	457.0
65°	413.1
67.5°	364.3
70°	315.5
72.5°	266.7
75°	221.2
77.5°	174.0
80°	131.7
82.5°	92.7
85°	53.7
87.5°	21.1
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)