

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: P771534

Luminaire Tested: LD6D75BD010-EU6DR6070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771534
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-EU6DR6070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8304.5 lumens
Efficiency: N/A
Efficacy: 114.7 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

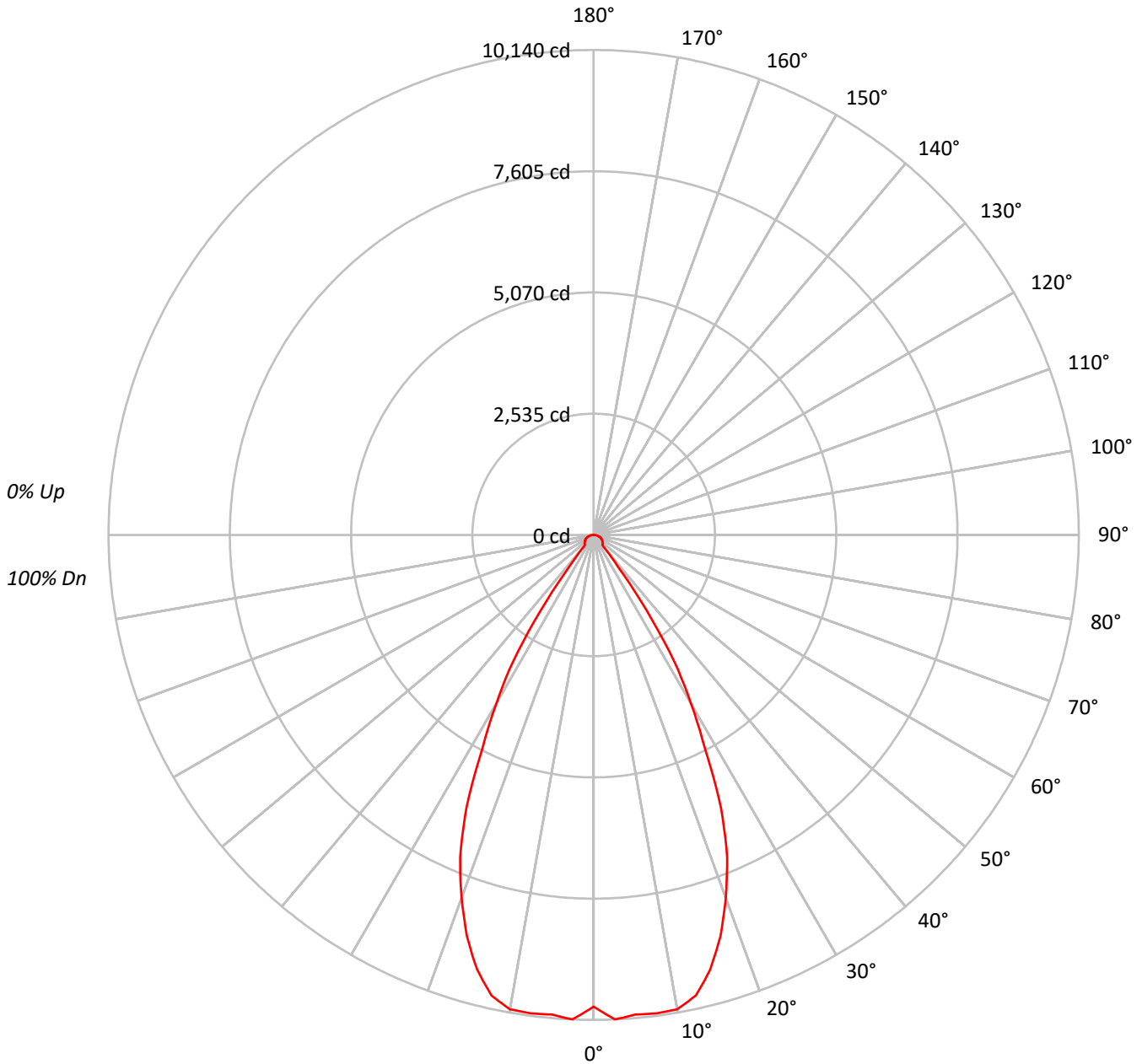
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P771534
CATALOG NUMBER: LD6D75BD010-EU6DR6070959027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P771534

CATALOG NUMBER: LD6D75BD010-EU6DR6070959027-6LBDP1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1077595
5°	1104097
10°	1117429
15°	1064503
20°	938566
25°	759141
30°	513498
35°	257309
40°	41733
45°	40855
50°	41679
55°	42289
60°	43464
65°	44468
70°	45523
75°	46057
80°	44422
85°	36982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 46057 cd/sqm



TEST NUMBER: P771534

CATALOG NUMBER: LD6D75BD010-EU6DR6070959027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.1	11.6
10°-20°	2603.1	31.3
20°-30°	2800.7	33.7
30°-40°	1217.4	14.7
40°-50°	204.5	2.5
50°-60°	198.8	2.4
60°-70°	170.1	2.0
70°-80°	113.8	1.4
80°-90°	34.1	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°	6365.9	76.7
0°-40°	7583.3	91.3
0°-60°	7986.6	96.2
0°-90°	8304.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8304.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9863	
5°	10067	962
15°	9411	2603
25°	6297	2801
35°	1929	1217
45°	264	204
55°	222	199
65°	172	170
75°	109	114
85°	30	34
90°	0	



TEST NUMBER: P771534

CATALOG NUMBER: LD6D75BD010-EU6DR6070959027-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	9862.6
2.5°	10139.9
5°	10066.7
7.5°	10089.8
10°	10071.8
12.5°	9863.9
15°	9410.8
17.5°	8802.4
20°	8072.1
22.5°	7290.4
25°	6297.0
27.5°	5036.6
30°	4070.1
32.5°	3136.9
35°	1929.1
37.5°	825.3
40°	292.6
42.5°	269.5
45°	264.4
47.5°	255.4
50°	245.2
52.5°	233.6
55°	222.0
57.5°	210.5
60°	198.9
62.5°	186.1
65°	172.0
67.5°	157.9
70°	142.5
72.5°	125.8
75°	109.1
77.5°	89.8
80°	70.6
82.5°	50.1
85°	29.5
87.5°	10.3
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)