

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



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: P792703

Luminaire Tested: LER6D40BD010-EC6DR7040509040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792703
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: LER6D40BD010-EC6DR7040509040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2781.0 lumens
Efficiency: N/A
Efficacy: 79.0 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): 35.2
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

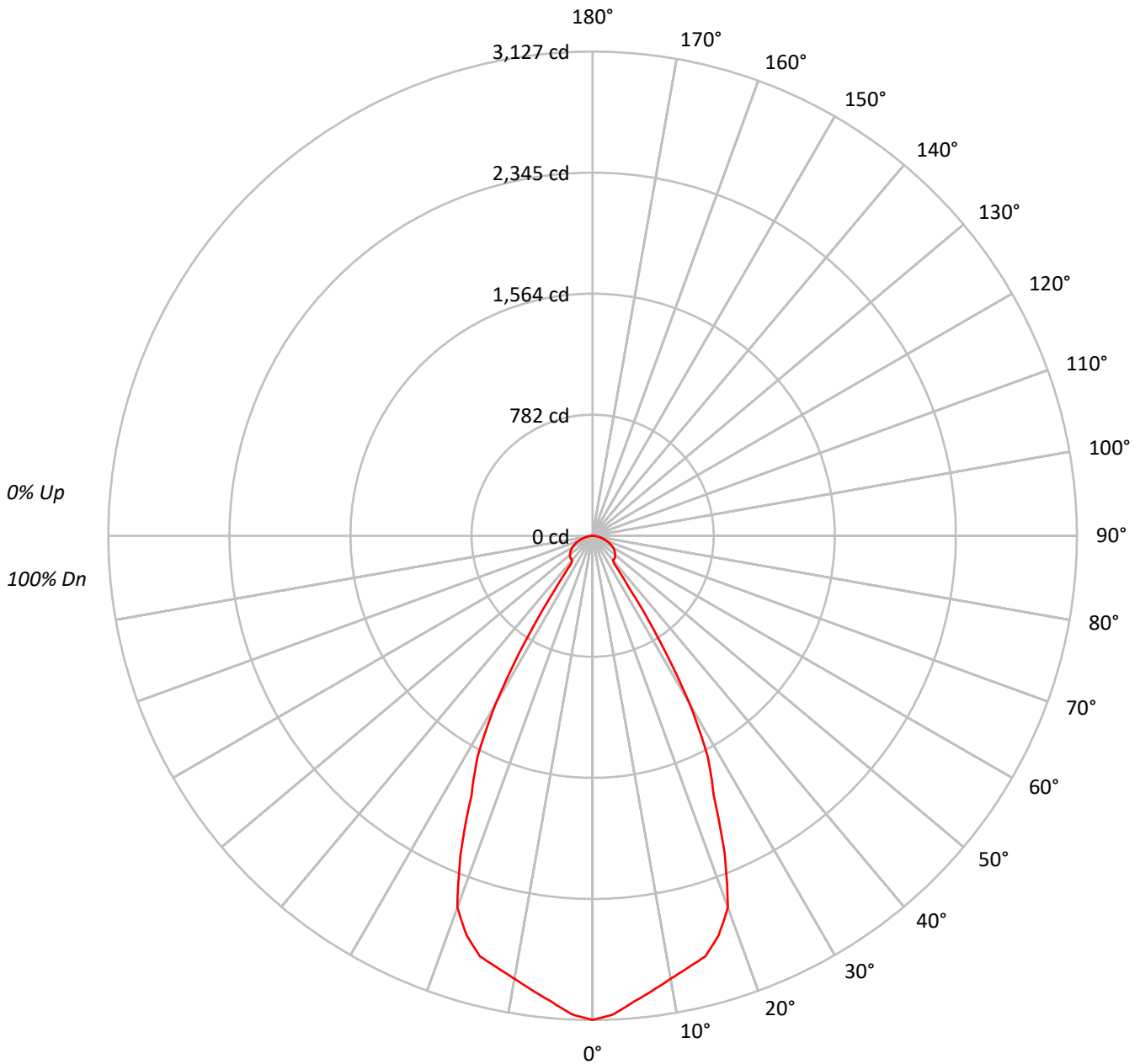


Downlight

TEST NUMBER: P792703

CATALOG NUMBER: LER6D40BD010-EC6DR7040509040-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P792703

CATALOG NUMBER: LER6D40BD010-EC6DR7040509040-6LBDP1B

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°	341626
5°	331480
10°	322232
15°	318012
20°	296961
25°	223089
30°	157704
35°	55861
40°	29367
45°	31290
50°	32398
55°	33012
60°	33215
65°	32498
70°	30668
75°	28411
80°	25231
85°	20434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 33228 cd/sqm



TEST NUMBER: P792703

CATALOG NUMBER: LER6D40BD010-EC6DR7040509040-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	10.3
10°-20°	781.9	28.1
20°-30°	861.2	31.0
30°-40°	329.0	11.8
40°-50°	155.4	5.6
50°-60°	154.5	5.6
60°-70°	123.6	4.4
70°-80°	71.1	2.6
80°-90°	19.3	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°	1928.2	69.3
0°-40°	2257.2	81.2
0°-60°	2567.0	92.3
0°-90°	2781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2781.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3127	
5°	3022	285
15°	2811	782
25°	1850	861
35°	419	329
45°	202	155
55°	173	154
65°	126	124
75°	67	71
85°	16	19
90°	0	



TEST NUMBER: P792703

CATALOG NUMBER: LER6D40BD010-EC6DR7040509040-6LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	3126.7
2.5°	3094.0
5°	3022.3
7.5°	2962.4
10°	2904.4
12.5°	2855.4
15°	2811.4
17.5°	2704.9
20°	2554.0
22.5°	2228.2
25°	1850.5
27.5°	1610.9
30°	1250.0
32.5°	807.4
35°	418.8
37.5°	226.2
40°	205.9
42.5°	204.5
45°	202.5
47.5°	198.0
50°	190.6
52.5°	182.2
55°	173.3
57.5°	163.4
60°	152.0
62.5°	139.1
65°	125.7
67.5°	110.9
70°	96.0
72.5°	81.2
75°	67.3
77.5°	53.0
80°	40.1
82.5°	28.2
85°	16.3
87.5°	6.4
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)