

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: P792657

Luminaire Tested: LER6D40BD010-EC6DR6540509040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR6540509040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4356.8 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

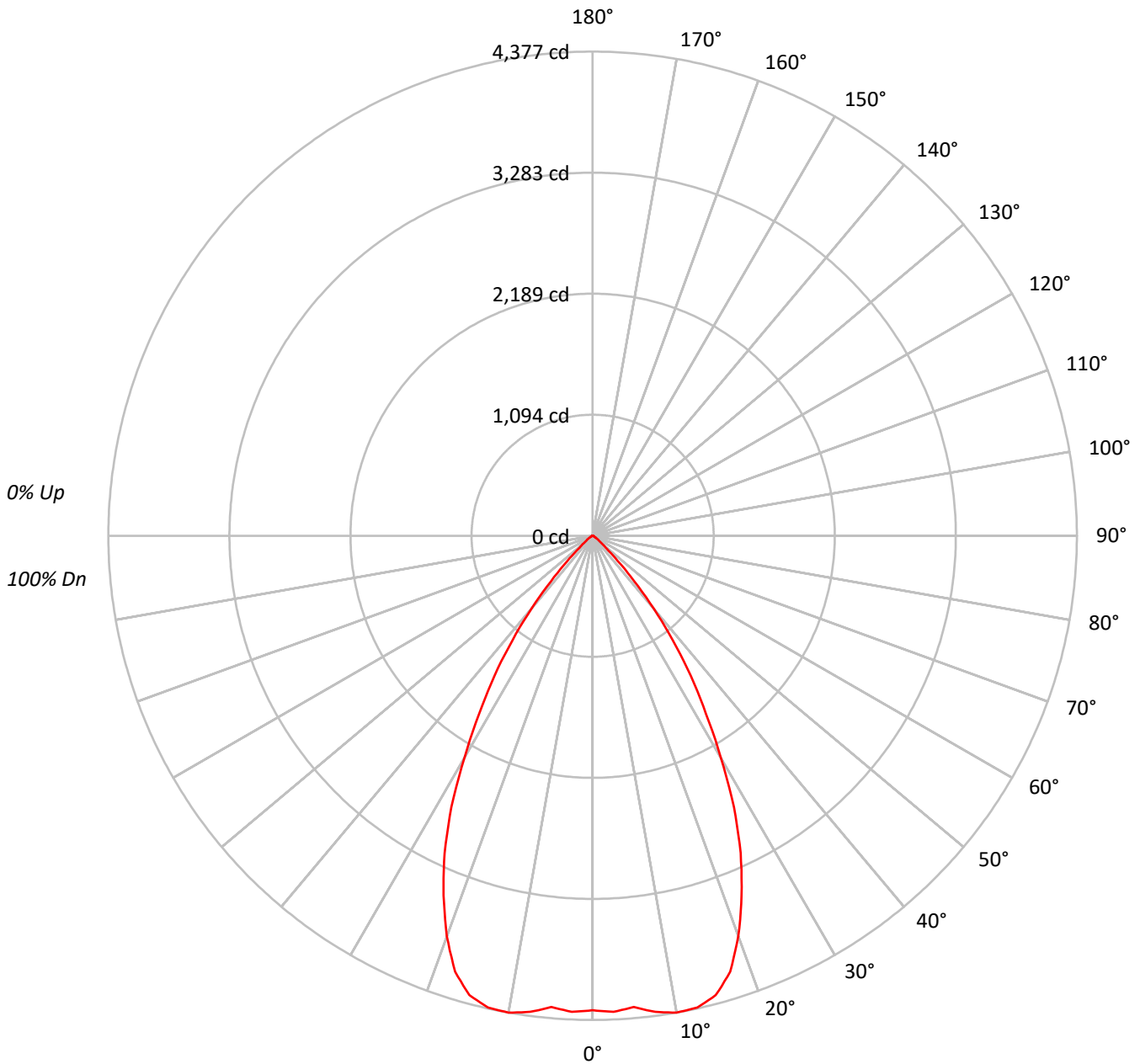


Downlight

TEST NUMBER: P792657

CATALOG NUMBER: LER6D40BD010-EC6DR6540509040-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P792657

CATALOG NUMBER: LER6D40BD010-EC6DR6540509040-6LBDP1LI

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	468685
5°	469071
10°	485590
15°	486395
20°	447802
25°	381547
30°	292094
35°	206356
40°	121806
45°	49446
50°	17933
55°	9982
60°	5725
65°	3154
70°	3322
75°	2575
80°	2706
85°	2257

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 49446 cd/sqm



TEST NUMBER: P792657

CATALOG NUMBER: LER6D40BD010-EC6DR6540509040-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.1	9.5
10°-20°	1191.5	27.3
20°-30°	1429.5	32.8
30°-40°	960.7	22.1
40°-50°	287.6	6.6
50°-60°	50.7	1.2
60°-70°	14.4	0.3
70°-80°	7.1	0.2
80°-90°	2.2	0.1
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°	3034.0	69.6
0°-40°	3994.7	91.7
0°-60°	4333.1	99.5
0°-90°	4356.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4356.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4290	
5°	4277	413
15°	4300	1191
25°	3165	1430
35°	1547	961
45°	320	288
55°	52	51
65°	12	14
75°	6	7
85°	2	2
90°	0	



TEST NUMBER: P792657

CATALOG NUMBER: LER6D40BD010-EC6DR6540509040-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4289.6
2.5°	4307.9
5°	4276.8
7.5°	4341.4
10°	4376.8
12.5°	4368.2
15°	4300.0
17.5°	4132.9
20°	3851.3
22.5°	3519.7
25°	3164.9
27.5°	2764.4
30°	2315.2
32.5°	1908.0
35°	1547.1
37.5°	1190.5
40°	854.0
42.5°	557.8
45°	320.0
47.5°	169.5
50°	105.5
52.5°	73.1
55°	52.4
57.5°	37.8
60°	26.2
62.5°	17.1
65°	12.2
67.5°	11.0
70°	10.4
72.5°	7.9
75°	6.1
77.5°	5.5
80°	4.3
82.5°	3.0
85°	1.8
87.5°	1.2
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)