

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: P792600

Luminaire Tested: LER6D40BD010-EC6DR6040509035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792600
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: LER6D40BD010-EC6DR6040509035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4536.7 lumens
Efficiency: N/A
Efficacy: 128.9 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): 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

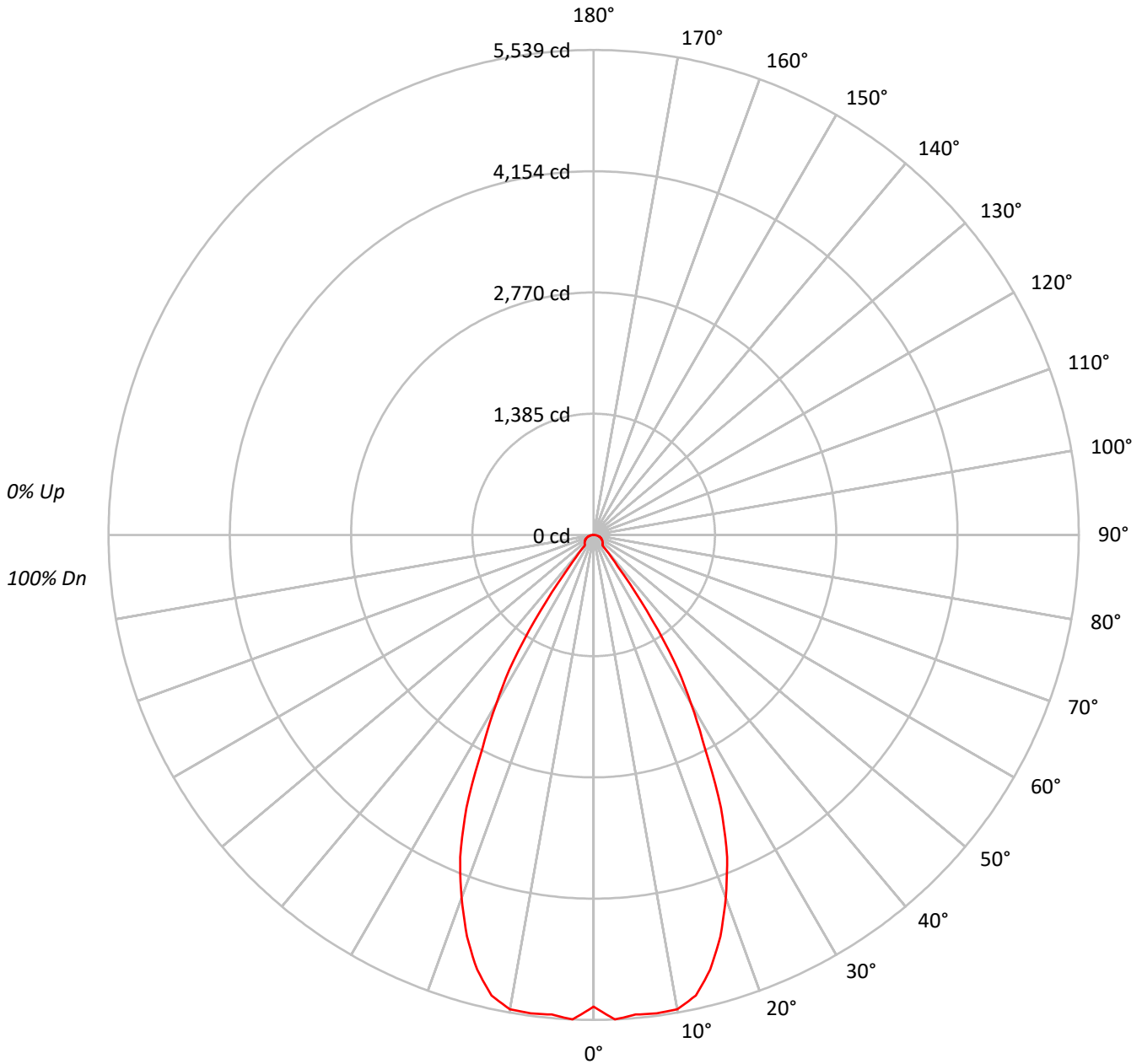


Downlight

TEST NUMBER: P792600

CATALOG NUMBER: LER6D40BD010-EC6DR6040509035-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P792600

CATALOG NUMBER: LER6D40BD010-EC6DR6040509035-6LBDP1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	588686
5°	603164
10°	610449
15°	581536
20°	512728
25°	414712
30°	280524
35°	140572
40°	22807
45°	22312
50°	22760
55°	23106
60°	23753
65°	24302
70°	24854
75°	25160
80°	24287
85°	20183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 25160 cd/sqm



TEST NUMBER: P792600

CATALOG NUMBER: LER6D40BD010-EC6DR6040509035-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.6	11.6
10°-20°	1422.0	31.3
20°-30°	1530.0	33.7
30°-40°	665.1	14.7
40°-50°	111.7	2.5
50°-60°	108.6	2.4
60°-70°	92.9	2.0
70°-80°	62.2	1.4
80°-90°	18.6	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°	3477.7	76.7
0°-40°	4142.7	91.3
0°-60°	4363.0	96.2
0°-90°	4536.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4536.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5388	
5°	5499	526
15°	5141	1422
25°	3440	1530
35°	1054	665
45°	144	112
55°	121	109
65°	94	93
75°	60	62
85°	16	19
90°	0	



TEST NUMBER: P792600

CATALOG NUMBER: LER6D40BD010-EC6DR6040509035-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	5387.9
2.5°	5539.3
5°	5499.4
7.5°	5512.0
10°	5502.2
12.5°	5388.6
15°	5141.1
17.5°	4808.7
20°	4409.7
22.5°	3982.7
25°	3440.0
27.5°	2751.4
30°	2223.5
32.5°	1713.7
35°	1053.9
37.5°	450.9
40°	159.9
42.5°	147.2
45°	144.4
47.5°	139.5
50°	133.9
52.5°	127.6
55°	121.3
57.5°	115.0
60°	108.7
62.5°	101.7
65°	94.0
67.5°	86.2
70°	77.8
72.5°	68.7
75°	59.6
77.5°	49.1
80°	38.6
82.5°	27.3
85°	16.1
87.5°	5.6
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)