

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: P792467

Luminaire Tested: LER6D40BD010-EC6DR4540509040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR4540509040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4781.2 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

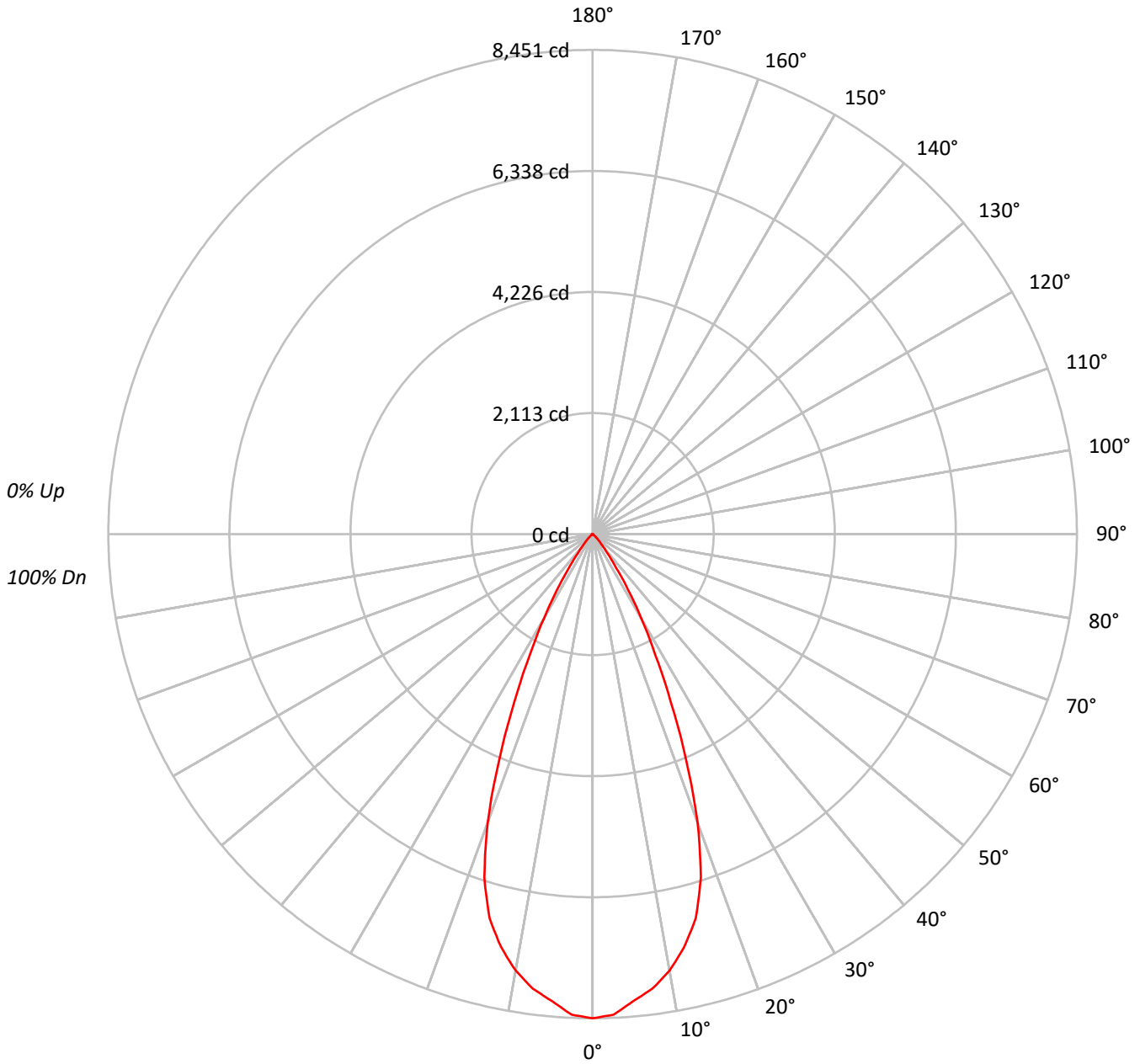
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P792467
CATALOG NUMBER: LER6D40BD010-EC6DR4540509040-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P792467

CATALOG NUMBER: LER6D40BD010-EC6DR4540509040-6LBS1B

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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77	77	77	77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73	73	73	73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69	69	69	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	63	63	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60	60	60	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	923330
5°	897046
10°	858225
15°	785460
20°	623141
25°	389034
30°	214427
35°	96276
40°	37925
45°	17878
50°	8482
55°	4438
60°	2185
65°	517
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17878 cd/sqm



TEST NUMBER: P792467

CATALOG NUMBER: LER6D40BD010-EC6DR4540509040-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	768.5	16.1
10°-20°	1891.3	39.6
20°-30°	1497.7	31.3
30°-40°	498.8	10.4
40°-50°	99.0	2.1
50°-60°	22.5	0.5
60°-70°	3.3	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	4157.6	87.0
0°-40°	4656.3	97.4
0°-60°	4777.8	99.9
0°-90°	4781.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4781.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8451	
5°	8179	768
15°	6944	1891
25°	3227	1498
35°	722	499
45°	116	99
55°	23	22
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P792467

CATALOG NUMBER: LER6D40BD010-EC6DR4540509040-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	8450.7
2.5°	8395.6
5°	8178.9
7.5°	8000.1
10°	7735.5
12.5°	7383.3
15°	6943.9
17.5°	6283.2
20°	5359.3
22.5°	4258.6
25°	3227.0
27.5°	2362.9
30°	1699.6
32.5°	1155.9
35°	721.8
37.5°	428.1
40°	265.9
42.5°	174.8
45°	115.7
47.5°	74.4
50°	49.9
52.5°	33.2
55°	23.3
57.5°	15.3
60°	10.0
62.5°	5.3
65°	2.0
67.5°	0.7
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)