

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: P792629

Luminaire Tested: LER6D40BD010-EC6DR6540509024-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D40BD010-EC6DR6540509024-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3715.1 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

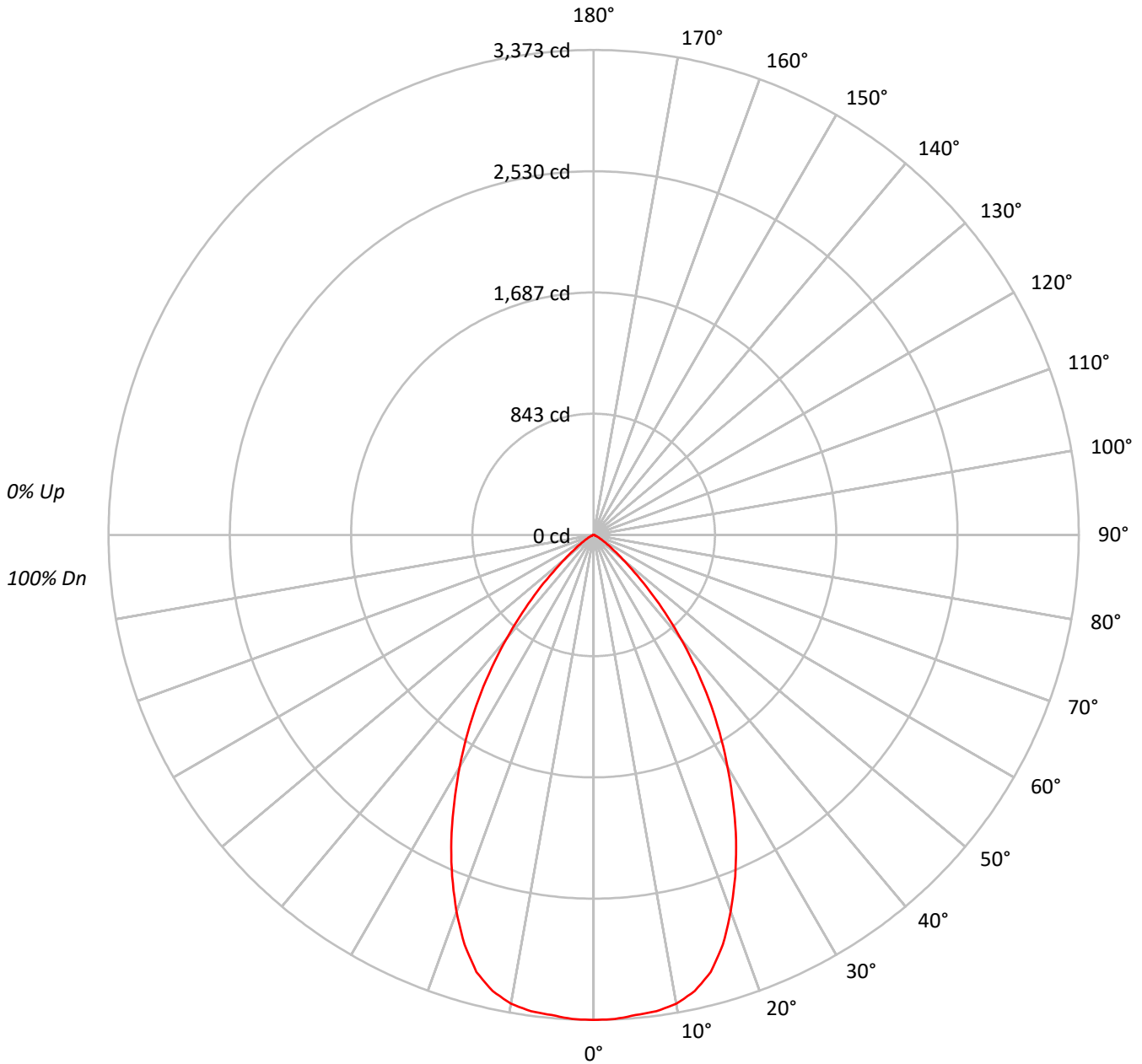
Input Watts (W): 35.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P792629  
CATALOG NUMBER: LER6D40BD010-EC6DR6540509024-6LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P792629

CATALOG NUMBER: LER6D40BD010-EC6DR6540509024-6LBS1LI

**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
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	197008
5°	196512
10°	196346
15°	190293
20°	173237
25°	150967
30°	125565
35°	99489
40°	71804
45°	45361
50°	23642
55°	12565
60°	6600
65°	3635
70°	1520
75°	1670
80°	1177
85°	1005

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 45361 cd/sqm



TEST NUMBER: P792629

CATALOG NUMBER: LER6D40BD010-EC6DR6540509024-6LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.0	8.6
10°-20°	873.5	23.5
20°-30°	1067.8	28.7
30°-40°	866.4	23.3
40°-50°	431.7	11.6
50°-60°	120.4	3.2
60°-70°	27.4	0.7
70°-80°	7.1	0.2
80°-90°	1.8	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°	2260.3	60.8
0°-40°	3126.7	84.2
0°-60°	3678.8	99.0
0°-90°	3715.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3715.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3373	
5°	3352	319
15°	3147	874
25°	2343	1068
35°	1395	866
45°	549	432
55°	123	120
65°	26	27
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P792629

CATALOG NUMBER: LER6D40BD010-EC6DR6540509024-6LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3373.2
2.5°	3370.8
5°	3351.9
7.5°	3341.0
10°	3310.8
12.5°	3249.3
15°	3147.2
17.5°	2987.6
20°	2787.3
22.5°	2571.2
25°	2342.7
27.5°	2098.3
30°	1861.9
32.5°	1628.4
35°	1395.4
37.5°	1162.9
40°	941.8
42.5°	734.6
45°	549.2
47.5°	382.7
50°	260.2
52.5°	179.4
55°	123.4
57.5°	83.3
60°	56.5
62.5°	39.2
65°	26.3
67.5°	13.4
70°	8.9
72.5°	8.4
75°	7.4
77.5°	5.0
80°	3.5
82.5°	2.5
85°	1.5
87.5°	1.0
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)