

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: P792599

Luminaire Tested: LER6D40BD010-EC6DR6040509035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792599
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-EC6DR6040509035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3572.6 lumens
Efficiency: N/A
Efficacy: 101.5 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

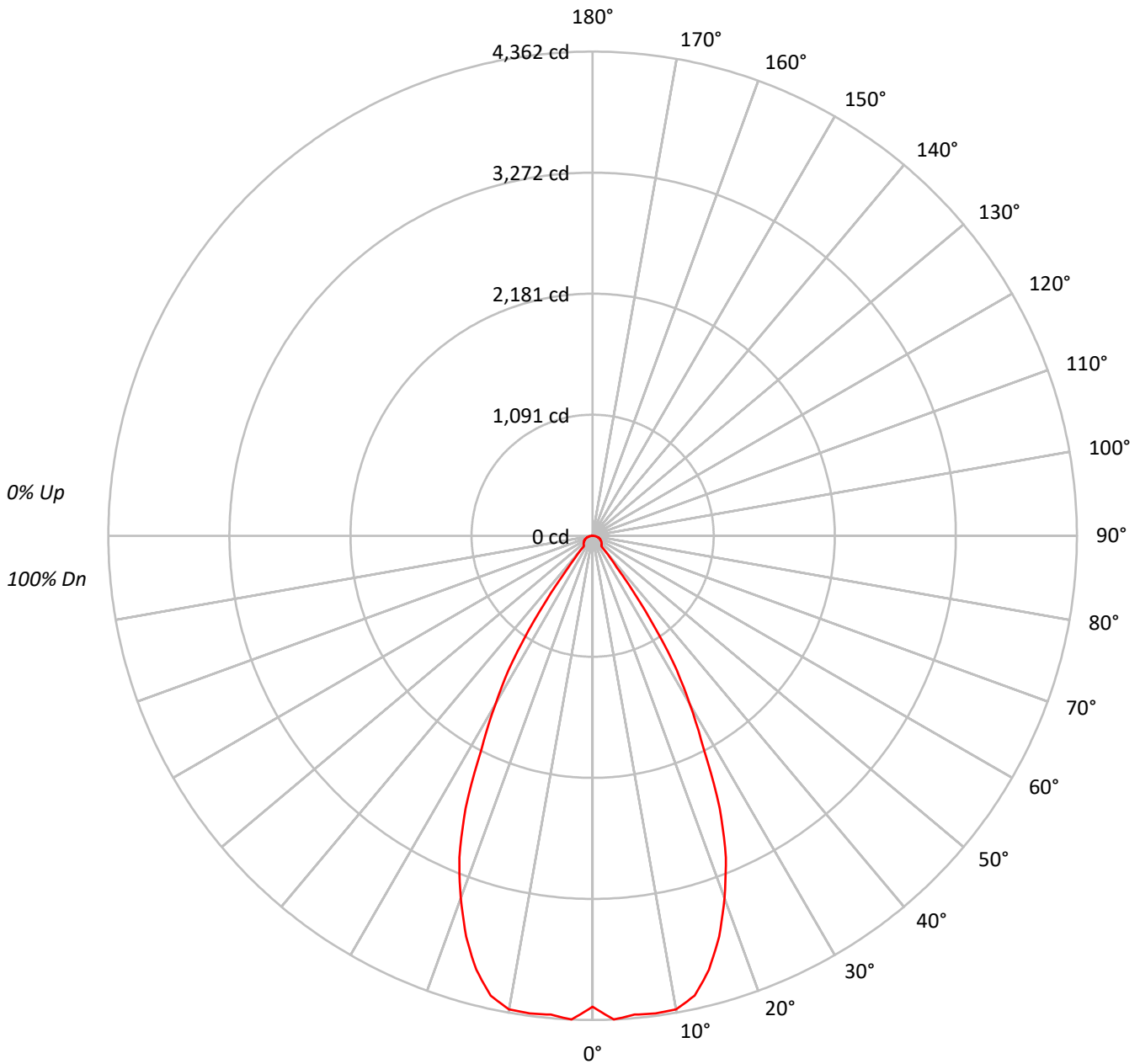


Downlight

TEST NUMBER: P792599

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Luminous Intensity Polar Plot





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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	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°	463572
5°	474972
10°	480708
15°	457946
20°	403769
25°	326574
30°	220900
35°	110694
40°	17957
45°	17569
50°	17933
55°	18192
60°	18705
65°	19131
70°	19583
75°	19799
80°	19128
85°	15921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 19799 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.9	11.6
10°-20°	1119.8	31.3
20°-30°	1204.8	33.7
30°-40°	523.7	14.7
40°-50°	88.0	2.5
50°-60°	85.5	2.4
60°-70°	73.2	2.0
70°-80°	49.0	1.4
80°-90°	14.6	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°	2738.6	76.7
0°-40°	3262.3	91.3
0°-60°	3435.8	96.2
0°-90°	3572.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3572.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4243	
5°	4331	414
15°	4048	1120
25°	2709	1205
35°	830	524
45°	114	88
55°	96	86
65°	74	73
75°	47	49
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4242.8
2.5°	4362.1
5°	4330.6
7.5°	4340.6
10°	4332.8
12.5°	4243.4
15°	4048.5
17.5°	3786.7
20°	3472.6
22.5°	3136.3
25°	2708.9
27.5°	2166.7
30°	1750.9
32.5°	1349.5
35°	829.9
37.5°	355.0
40°	125.9
42.5°	116.0
45°	113.7
47.5°	109.9
50°	105.5
52.5°	100.5
55°	95.5
57.5°	90.6
60°	85.6
62.5°	80.1
65°	74.0
67.5°	67.9
70°	61.3
72.5°	54.1
75°	46.9
77.5°	38.7
80°	30.4
82.5°	21.5
85°	12.7
87.5°	4.4
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)