

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: P793576

Luminaire Tested: LER6D50D010-EC6DR6040509050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793576
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: LER6D50D010-EC6DR6040509050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6152.7 lumens
Efficiency: N/A
Efficacy: 130.9 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): 47
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

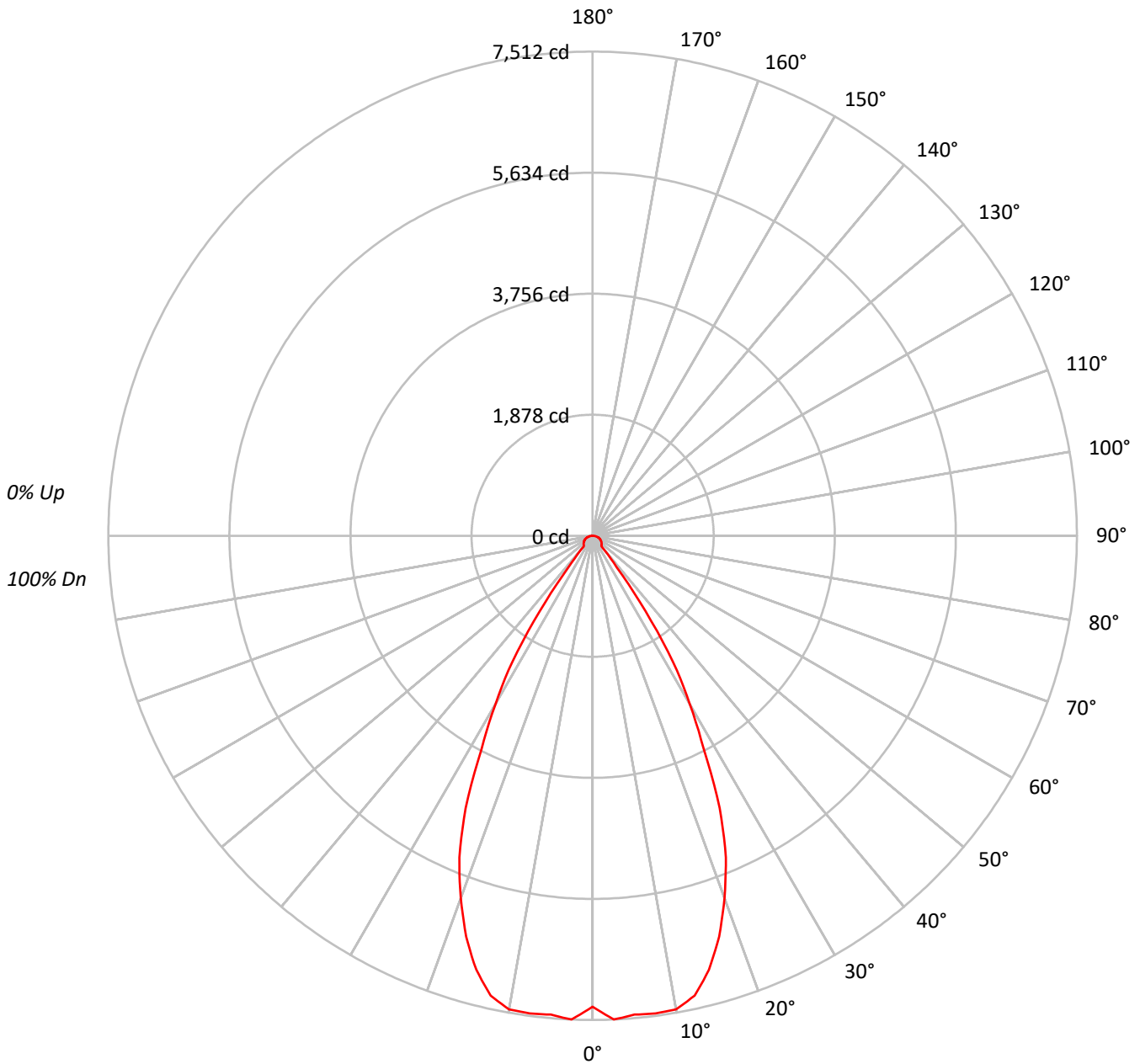


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	798368
5°	818001
10°	827881
15°	788672
20°	695370
25°	562429
30°	380433
35°	190644
40°	30922
45°	30270
50°	30868
55°	31336
60°	32210
65°	32937
70°	33735
75°	34110
80°	32908
85°	27454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.8	11.6
10°-20°	1928.6	31.3
20°-30°	2075.0	33.7
30°-40°	902.0	14.7
40°-50°	151.5	2.5
50°-60°	147.3	2.4
60°-70°	126.0	2.0
70°-80°	84.3	1.4
80°-90°	25.2	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°	4716.4	76.7
0°-40°	5618.3	91.3
0°-60°	5917.1	96.2
0°-90°	6152.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6152.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7307	
5°	7458	713
15°	6972	1929
25°	4665	2075
35°	1429	902
45°	196	151
55°	164	147
65°	127	126
75°	81	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7307.0
2.5°	7512.4
5°	7458.2
7.5°	7475.3
10°	7462.0
12.5°	7308.0
15°	6972.3
17.5°	6521.6
20°	5980.5
22.5°	5401.3
25°	4665.3
27.5°	3731.5
30°	3015.4
32.5°	2324.1
35°	1429.3
37.5°	611.5
40°	216.8
42.5°	199.7
45°	195.9
47.5°	189.2
50°	181.6
52.5°	173.1
55°	164.5
57.5°	156.0
60°	147.4
62.5°	137.9
65°	127.4
67.5°	117.0
70°	105.6
72.5°	93.2
75°	80.8
77.5°	66.6
80°	52.3
82.5°	37.1
85°	21.9
87.5°	7.6
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)