

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: P793633

Luminaire Tested: LER6D50D010-EC6DR7040509024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR7040509024-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5230.3 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

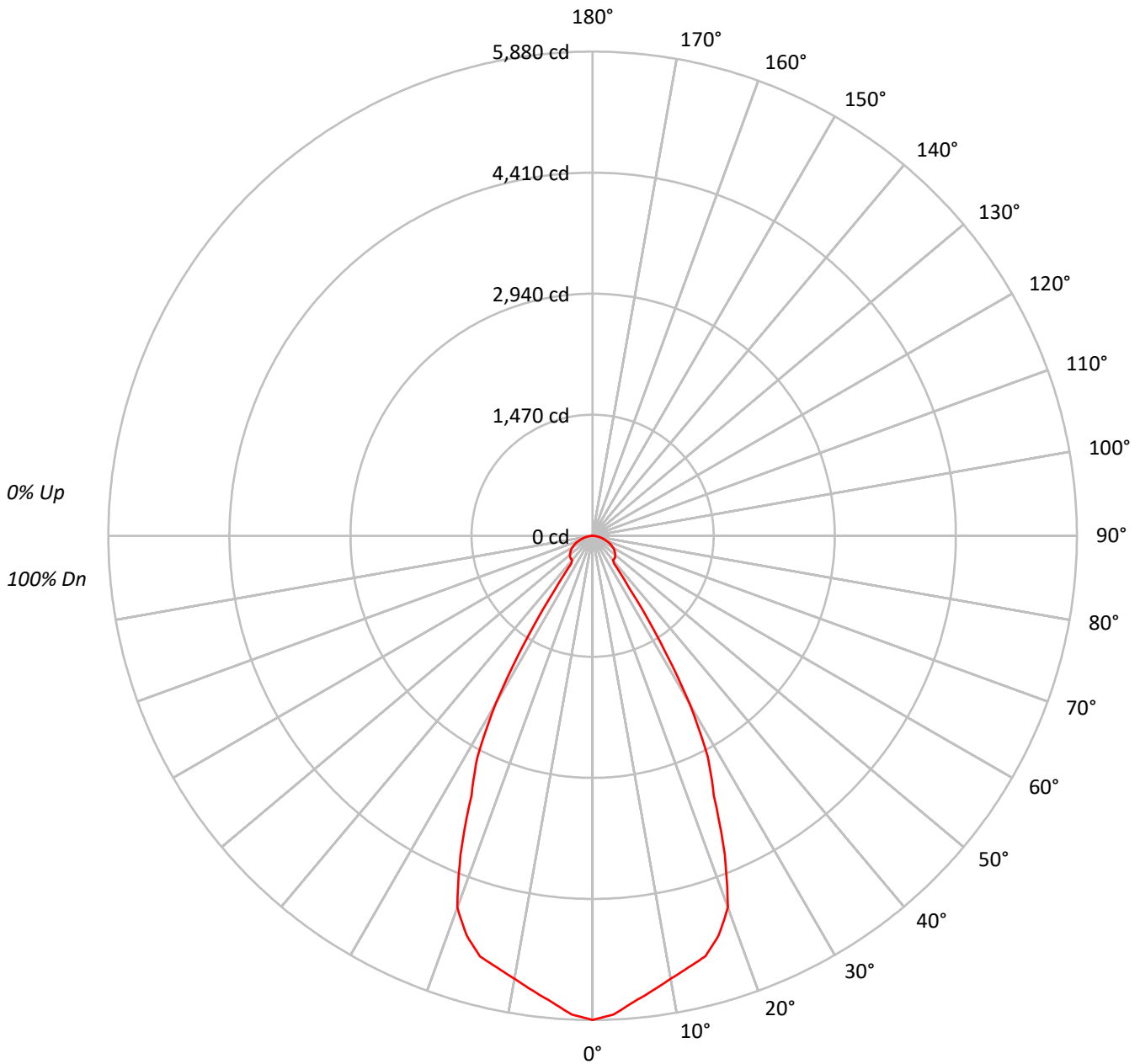


Downlight

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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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	642497
5°	623399
10°	606033
15°	598073
20°	558482
25°	419559
30°	296585
35°	105066
40°	55241
45°	58840
50°	60921
55°	62081
60°	62453
65°	61143
70°	57694
75°	53444
80°	47442
85°	38486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 62470 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.1	10.3
10°-20°	1470.5	28.1
20°-30°	1619.6	31.0
30°-40°	618.8	11.8
40°-50°	292.2	5.6
50°-60°	290.5	5.6
60°-70°	232.6	4.4
70°-80°	133.7	2.6
80°-90°	36.3	0.7
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°	3626.3	69.3
0°-40°	4245.1	81.2
0°-60°	4827.7	92.3
0°-90°	5230.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5230.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5880	
5°	5684	536
15°	5287	1471
25°	3480	1620
35°	788	619
45°	381	292
55°	326	290
65°	236	233
75°	127	134
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5880.4
2.5°	5818.9
5°	5683.9
7.5°	5571.3
10°	5462.4
12.5°	5370.2
15°	5287.3
17.5°	5087.1
20°	4803.2
22.5°	4190.6
25°	3480.2
27.5°	3029.6
30°	2350.8
32.5°	1518.5
35°	787.7
37.5°	425.5
40°	387.3
42.5°	384.5
45°	380.8
47.5°	372.4
50°	358.4
52.5°	342.6
55°	325.9
57.5°	307.2
60°	285.8
62.5°	261.6
65°	236.5
67.5°	208.6
70°	180.6
72.5°	152.7
75°	126.6
77.5°	99.6
80°	75.4
82.5°	53.1
85°	30.7
87.5°	12.1
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

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— 0°-180°

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(END OF REPORT)