

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: P791754

Luminaire Tested: LER6D30D010-EC6DR7020359050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791754
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: LER6D30D010-EC6DR7020359050-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4701.8 lumens
Efficiency: N/A
Efficacy: 162.1 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): 29
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

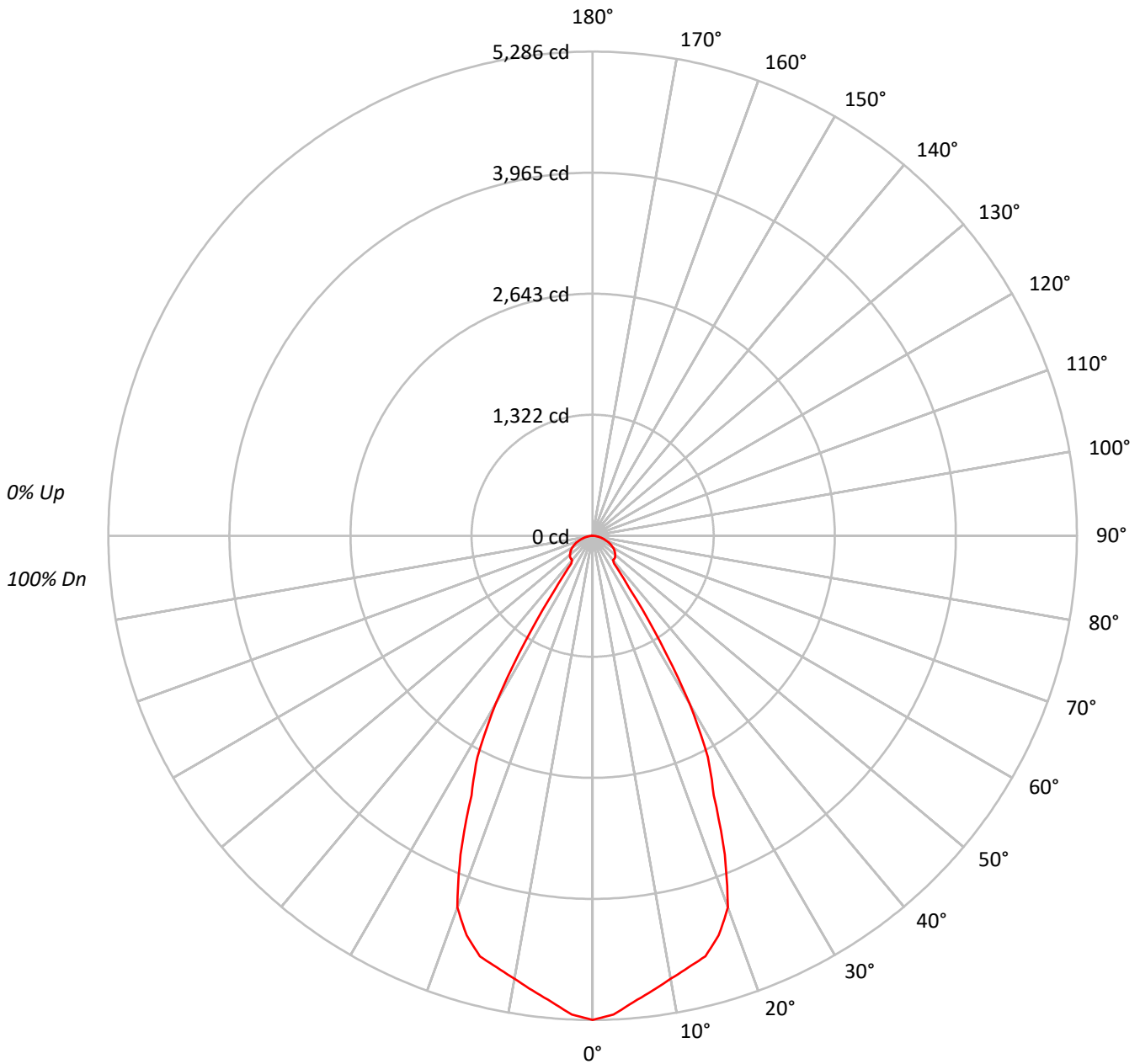


Downlight

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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°	577574
5°	560411
10°	544791
15°	537636
20°	502043
25°	377159
30°	266621
35°	94448
40°	49664
45°	52892
50°	54767
55°	55795
60°	56138
65°	54964
70°	51880
75°	48041
80°	42660
85°	34600

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 56166 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.9	10.3
10°-20°	1321.9	28.1
20°-30°	1455.9	31.0
30°-40°	556.3	11.8
40°-50°	262.7	5.6
50°-60°	261.1	5.6
60°-70°	209.1	4.4
70°-80°	120.2	2.6
80°-90°	32.7	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°	3259.8	69.3
0°-40°	3816.1	81.2
0°-60°	4339.9	92.3
0°-90°	4701.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4701.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5286	
5°	5110	482
15°	4753	1322
25°	3128	1456
35°	708	556
45°	342	263
55°	293	261
65°	213	209
75°	114	120
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5286.2
2.5°	5230.9
5°	5109.6
7.5°	5008.3
10°	4910.4
12.5°	4827.5
15°	4753.0
17.5°	4573.1
20°	4317.8
22.5°	3767.1
25°	3128.5
27.5°	2723.4
30°	2113.3
32.5°	1365.1
35°	708.1
37.5°	382.5
40°	348.2
42.5°	345.7
45°	342.3
47.5°	334.8
50°	322.2
52.5°	308.0
55°	292.9
57.5°	276.2
60°	256.9
62.5°	235.2
65°	212.6
67.5°	187.5
70°	162.4
72.5°	137.3
75°	113.8
77.5°	89.6
80°	67.8
82.5°	47.7
85°	27.6
87.5°	10.9
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)