

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: P794618

Luminaire Tested: LER6D60D010-EC6DR7055659035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794618
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: LER6D60D010-EC6DR7055659035-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5704.6 lumens
Efficiency: N/A
Efficacy: 88.6 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

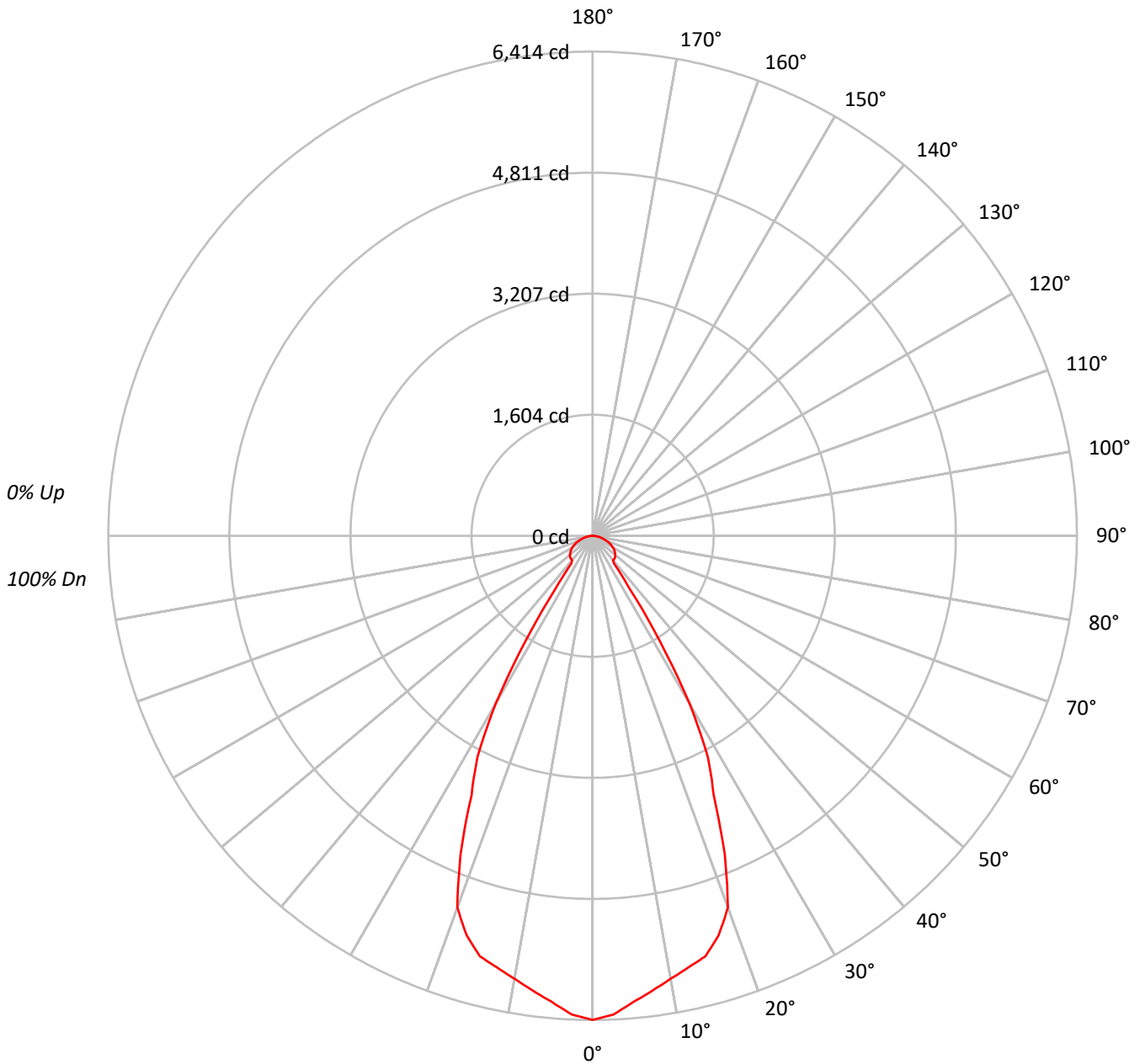
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									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	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°	700766
5°	679938
10°	660985
15°	652312
20°	609130
25°	457606
30°	323483
35°	114589
40°	60247
45°	64171
50°	66462
55°	67700
60°	68113
65°	66676
70°	62933
75°	58299
80°	51784
85°	41996

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 68143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.7	10.3
10°-20°	1603.9	28.1
20°-30°	1766.5	31.0
30°-40°	674.9	11.8
40°-50°	318.7	5.6
50°-60°	316.8	5.6
60°-70°	253.6	4.4
70°-80°	145.8	2.6
80°-90°	39.6	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°	3955.1	69.3
0°-40°	4630.0	81.2
0°-60°	5265.6	92.3
0°-90°	5704.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5704.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6414	
5°	6199	585
15°	5767	1604
25°	3796	1766
35°	859	675
45°	415	319
55°	355	317
65°	258	254
75°	138	146
85°	34	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6413.7
2.5°	6346.6
5°	6199.4
7.5°	6076.5
10°	5957.7
12.5°	5857.2
15°	5766.8
17.5°	5548.5
20°	5238.8
22.5°	4570.6
25°	3795.8
27.5°	3304.3
30°	2564.0
32.5°	1656.2
35°	859.1
37.5°	464.1
40°	422.4
42.5°	419.4
45°	415.3
47.5°	406.2
50°	391.0
52.5°	373.7
55°	355.4
57.5°	335.1
60°	311.7
62.5°	285.3
65°	257.9
67.5°	227.5
70°	197.0
72.5°	166.5
75°	138.1
77.5°	108.7
80°	82.3
82.5°	57.9
85°	33.5
87.5°	13.2
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)