

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: P795090

Luminaire Tested: LER6D65D010-EC6DR7055659030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P795090
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: LER6D65D010-EC6DR7055659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6243.4 lumens
Efficiency: N/A
Efficacy: 85.8 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

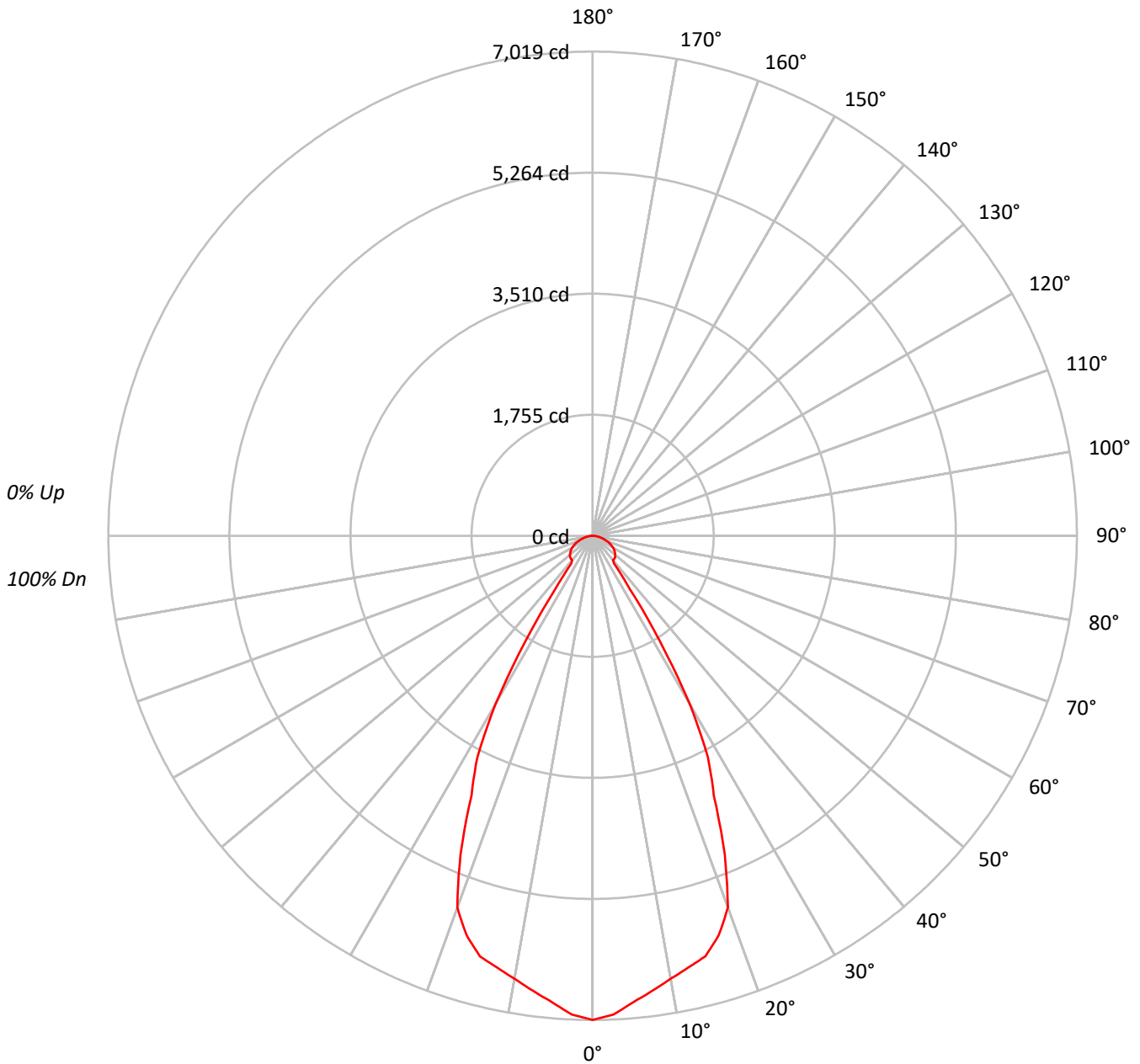
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P795090
CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P795090

CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBDP1MW

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°	766945
5°	744155
10°	723414
15°	713926
20°	666662
25°	500825
30°	354040
35°	125406
40°	65938
45°	70244
50°	72734
55°	74101
60°	74560
65°	72984
70°	68875
75°	63787
80°	56629
85°	46008

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 74589 cd/sqm



TEST NUMBER: P795090

CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.0	10.3
10°-20°	1755.4	28.1
20°-30°	1933.3	31.0
30°-40°	738.7	11.8
40°-50°	348.8	5.6
50°-60°	346.8	5.6
60°-70°	277.6	4.4
70°-80°	159.5	2.6
80°-90°	43.4	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°	4328.7	69.3
0°-40°	5067.4	81.2
0°-60°	5762.9	92.3
0°-90°	6243.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6243.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7019	
5°	6785	640
15°	6312	1755
25°	4154	1933
35°	940	739
45°	455	349
55°	389	347
65°	282	278
75°	151	160
85°	37	43
90°	0	



TEST NUMBER: P795090

CATALOG NUMBER: LER6D65D010-EC6DR7055659030-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	7019.4
2.5°	6946.1
5°	6784.9
7.5°	6650.5
10°	6520.4
12.5°	6410.4
15°	6311.5
17.5°	6072.6
20°	5733.6
22.5°	5002.3
25°	4154.3
27.5°	3616.4
30°	2806.2
32.5°	1812.7
35°	940.2
37.5°	507.9
40°	462.3
42.5°	459.0
45°	454.6
47.5°	444.6
50°	427.9
52.5°	409.0
55°	389.0
57.5°	366.8
60°	341.2
62.5°	312.3
65°	282.3
67.5°	248.9
70°	215.6
72.5°	182.3
75°	151.1
77.5°	118.9
80°	90.0
82.5°	63.3
85°	36.7
87.5°	14.4
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)