

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: P769989

Luminaire Tested: LD6D65D010-EU6DR6055659030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769989
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: LD6D65D010-EU6DR6055659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7191.6 lumens
Efficiency: N/A
Efficacy: 98.8 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

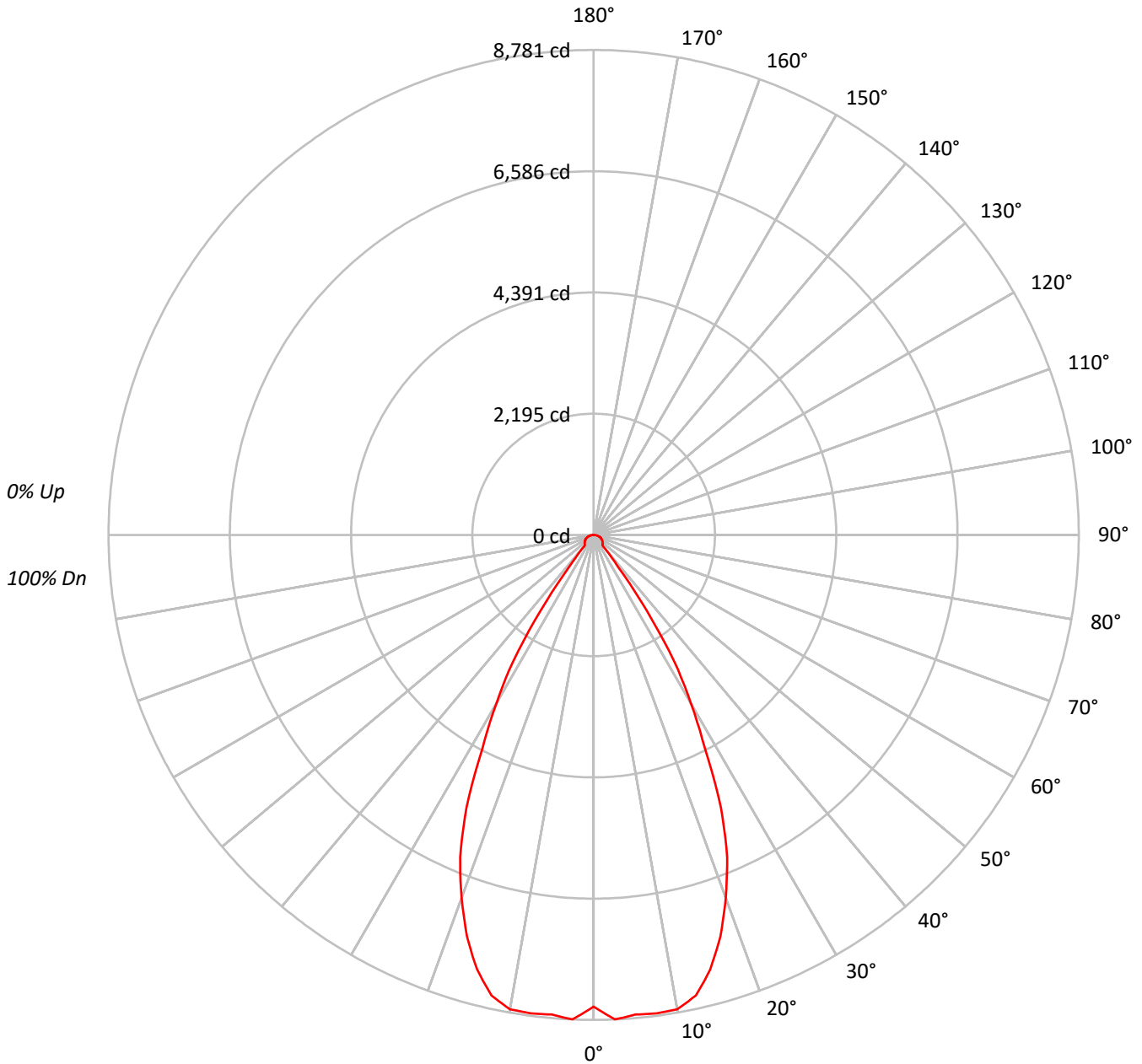
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P769989
CATALOG NUMBER: LD6D65D010-EU6DR6055659030-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P769989

CATALOG NUMBER: LD6D65D010-EU6DR6055659030-6LBDP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	933185
5°	956141
10°	967685
15°	921854
20°	812794
25°	657403
30°	444676
35°	222829
40°	36142
45°	35385
50°	36087
55°	36631
60°	37651
65°	38496
70°	39421
75°	39893
80°	38445
85°	32093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 39893 cd/sqm



TEST NUMBER: P769989

CATALOG NUMBER: LD6D65D010-EU6DR6055659030-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.2	11.6
10°-20°	2254.2	31.3
20°-30°	2425.4	33.7
30°-40°	1054.3	14.7
40°-50°	177.1	2.5
50°-60°	172.2	2.4
60°-70°	147.3	2.0
70°-80°	98.5	1.4
80°-90°	29.5	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°	5512.8	76.7
0°-40°	6567.1	91.3
0°-60°	6916.3	96.2
0°-90°	7191.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7191.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8541	
5°	8718	833
15°	8150	2254
25°	5453	2425
35°	1671	1054
45°	229	177
55°	192	172
65°	149	147
75°	94	99
85°	26	29
90°	0	



TEST NUMBER: P769989

CATALOG NUMBER: LD6D65D010-EU6DR6055659030-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	8540.9
2.5°	8781.0
5°	8717.7
7.5°	8737.7
10°	8722.1
12.5°	8542.0
15°	8149.7
17.5°	7622.8
20°	6990.4
22.5°	6313.4
25°	5453.1
27.5°	4361.6
30°	3524.6
32.5°	2716.6
35°	1670.6
37.5°	714.7
40°	253.4
42.5°	233.4
45°	229.0
47.5°	221.2
50°	212.3
52.5°	202.3
55°	192.3
57.5°	182.3
60°	172.3
62.5°	161.2
65°	148.9
67.5°	136.7
70°	123.4
72.5°	108.9
75°	94.5
77.5°	77.8
80°	61.1
82.5°	43.3
85°	25.6
87.5°	8.9
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

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)