

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: P770008

Luminaire Tested: LD6D65D010-EU6DR6055659035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770008
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-EU6DR6055659035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

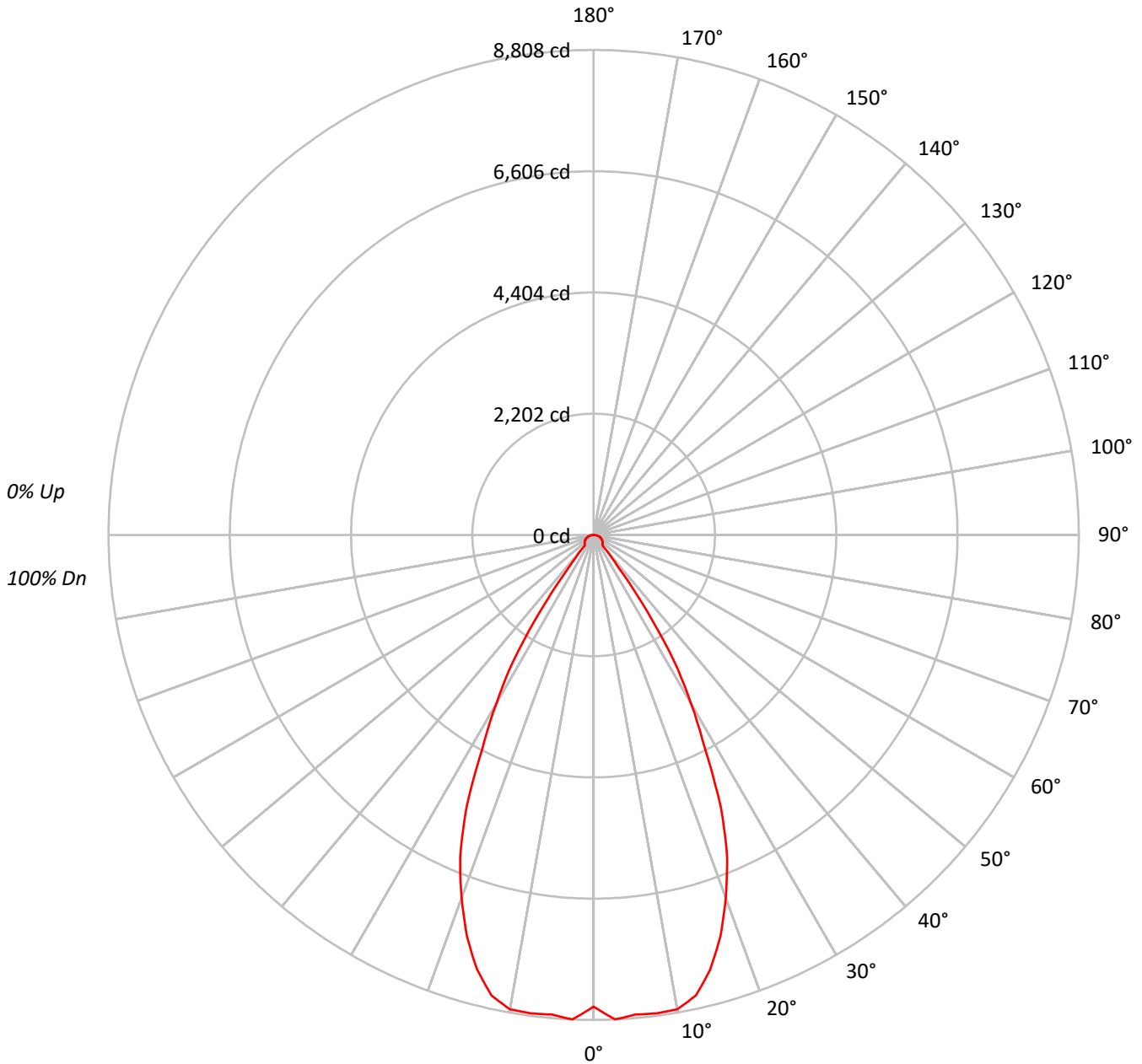
Lumens per Lamp: N/A
Luminaire Lumens: 7213.4 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): 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



TEST NUMBER: P770008
CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P770008

CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBSQW1MW

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°	936026
5°	959036
10°	970625
15°	924648
20°	815259
25°	659405
30°	446026
35°	223509
40°	36256
45°	35493
50°	36189
55°	36746
60°	37761
65°	38625
70°	39549
75°	40020
80°	38570
85°	32093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 40020 cd/sqm



TEST NUMBER: P770008

CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.7	11.6
10°-20°	2261.1	31.3
20°-30°	2432.7	33.7
30°-40°	1057.5	14.7
40°-50°	177.6	2.5
50°-60°	172.7	2.4
60°-70°	147.7	2.0
70°-80°	98.8	1.4
80°-90°	29.6	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°	5529.6	76.7
0°-40°	6587.0	91.3
0°-60°	6937.3	96.2
0°-90°	7213.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7213.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8567	
5°	8744	836
15°	8174	2261
25°	5470	2433
35°	1676	1057
45°	230	178
55°	193	173
65°	149	148
75°	95	99
85°	26	30
90°	0	



TEST NUMBER: P770008

CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	8566.9
2.5°	8807.7
5°	8744.1
7.5°	8764.2
10°	8748.6
12.5°	8568.0
15°	8174.4
17.5°	7646.0
20°	7011.6
22.5°	6332.6
25°	5469.7
27.5°	4374.8
30°	3535.3
32.5°	2724.8
35°	1675.7
37.5°	716.9
40°	254.2
42.5°	234.1
45°	229.7
47.5°	221.9
50°	212.9
52.5°	202.9
55°	192.9
57.5°	182.8
60°	172.8
62.5°	161.7
65°	149.4
67.5°	137.1
70°	123.8
72.5°	109.3
75°	94.8
77.5°	78.0
80°	61.3
82.5°	43.5
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)