

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: P795010

Luminaire Tested: LER6D65D010-EC6DR6055659040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P795010
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: LER6D65D010-EC6DR6055659040-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607.1 lumens
Efficiency: N/A
Efficacy: 104.5 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

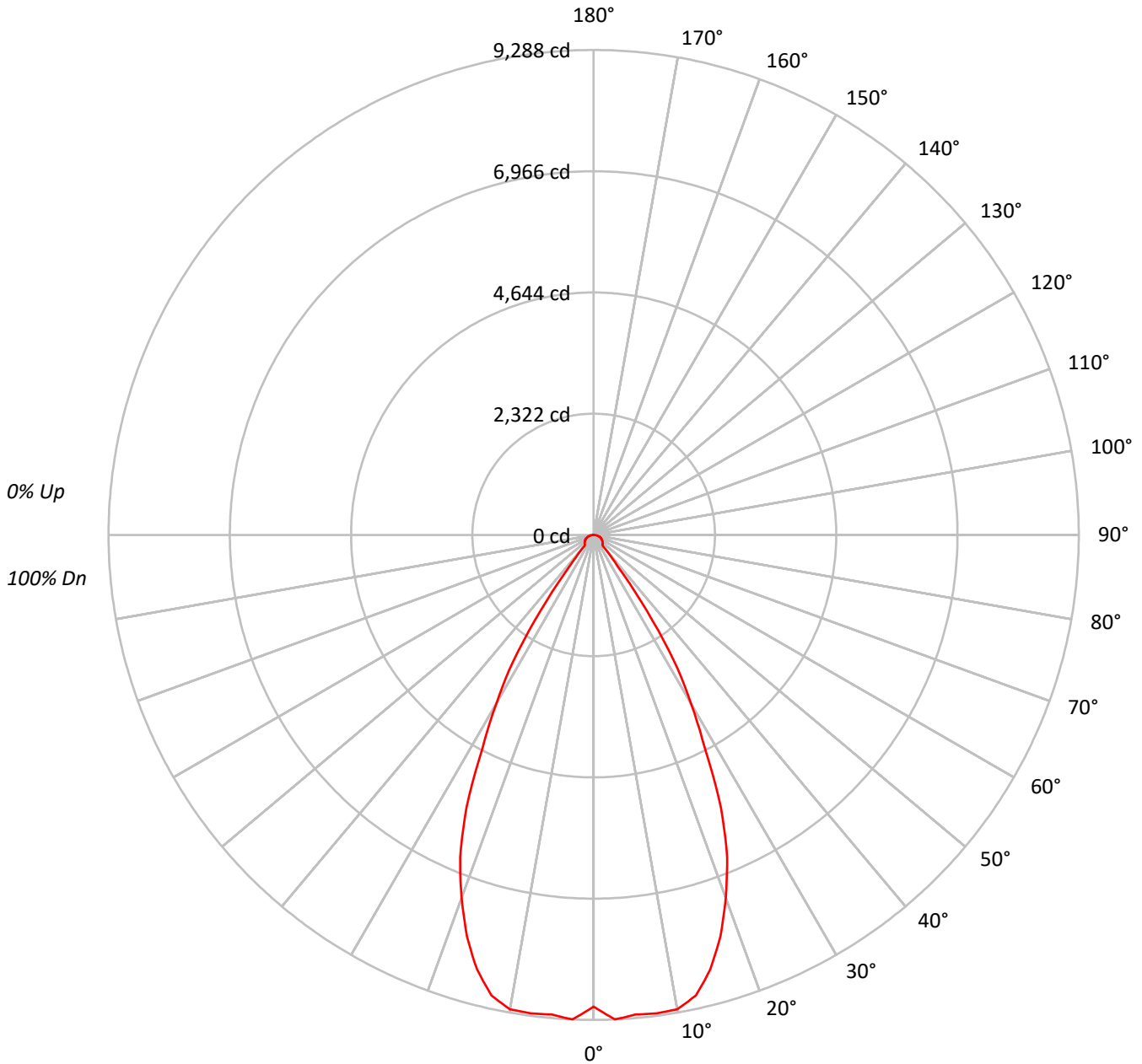
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P795010
CATALOG NUMBER: LER6D65D010-EC6DR6055659040-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P795010

CATALOG NUMBER: LER6D65D010-EC6DR6055659040-6LBDP1MW

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°	987105
5°	1011375
10°	1023590
15°	975108
20°	859745
25°	695391
30°	470375
35°	235701
40°	38239
45°	37424
50°	38177
55°	38746
60°	39815
65°	40719
70°	41689
75°	42173
80°	40710
85°	33848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 42173 cd/sqm



TEST NUMBER: P795010

CATALOG NUMBER: LER6D65D010-EC6DR6055659040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.3	11.6
10°-20°	2384.5	31.3
20°-30°	2565.5	33.7
30°-40°	1115.2	14.7
40°-50°	187.3	2.5
50°-60°	182.1	2.4
60°-70°	155.8	2.0
70°-80°	104.2	1.4
80°-90°	31.2	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°	5831.3	76.7
0°-40°	6946.5	91.3
0°-60°	7315.9	96.2
0°-90°	7607.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7607.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9034	
5°	9221	881
15°	8620	2384
25°	5768	2566
35°	1767	1115
45°	242	187
55°	203	182
65°	158	156
75°	100	104
85°	27	31
90°	0	



TEST NUMBER: P795010

CATALOG NUMBER: LER6D65D010-EC6DR6055659040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9034.4
2.5°	9288.4
5°	9221.3
7.5°	9242.5
10°	9226.0
12.5°	9035.6
15°	8620.5
17.5°	8063.2
20°	7394.2
22.5°	6678.2
25°	5768.2
27.5°	4613.6
30°	3728.3
32.5°	2873.5
35°	1767.1
37.5°	756.0
40°	268.1
42.5°	246.9
45°	242.2
47.5°	234.0
50°	224.6
52.5°	214.0
55°	203.4
57.5°	192.8
60°	182.2
62.5°	170.5
65°	157.5
67.5°	144.6
70°	130.5
72.5°	115.2
75°	99.9
77.5°	82.3
80°	64.7
82.5°	45.9
85°	27.0
87.5°	9.4
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)