

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



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: P794975

Luminaire Tested: LER6D65D010-EC6DR6055659024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794975
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-EC6DR6055659024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5358.5 lumens
Efficiency: N/A
Efficacy: 73.6 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

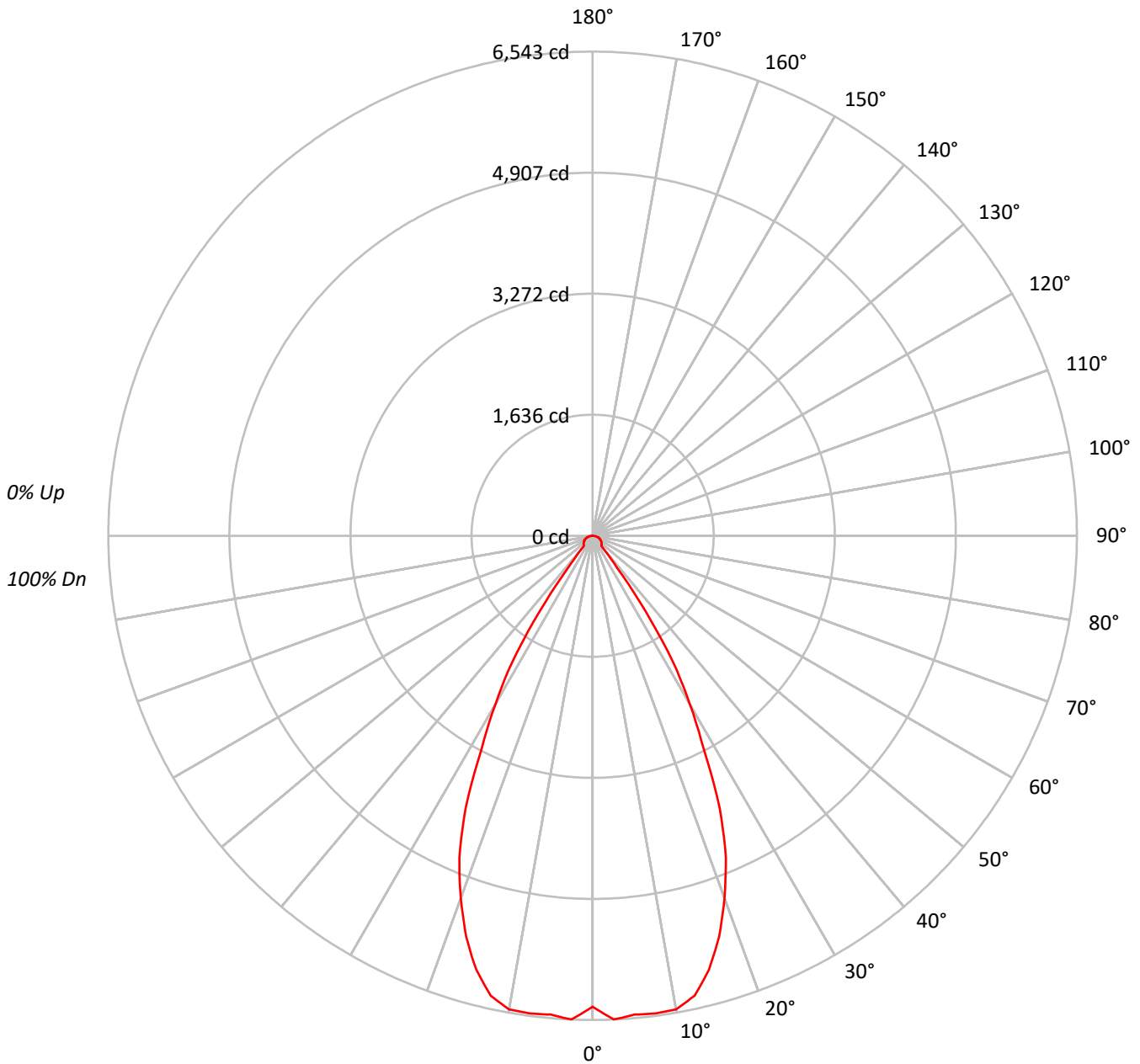
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794975
CATALOG NUMBER: LER6D65D010-EC6DR6055659024-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P794975

CATALOG NUMBER: LER6D65D010-EC6DR6055659024-6LBDP1B

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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	695325
5°	712425
10°	721029
15°	686880
20°	605619
25°	489843
30°	331330
35°	166035
40°	26929
45°	26361
50°	26891
55°	27297
60°	28058
65°	28697
70°	29358
75°	29719
80°	28692
85°	23819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29719 cd/sqm



TEST NUMBER: P794975

CATALOG NUMBER: LER6D65D010-EC6DR6055659024-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.8	11.6
10°-20°	1679.7	31.3
20°-30°	1807.2	33.7
30°-40°	785.5	14.7
40°-50°	131.9	2.5
50°-60°	128.3	2.4
60°-70°	109.7	2.0
70°-80°	73.4	1.4
80°-90°	21.9	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°	4107.6	76.7
0°-40°	4893.2	91.3
0°-60°	5153.4	96.2
0°-90°	5358.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5358.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6364	
5°	6496	621
15°	6072	1680
25°	4063	1807
35°	1245	786
45°	171	132
55°	143	128
65°	111	110
75°	70	73
85°	19	22
90°	0	



TEST NUMBER: P794975

CATALOG NUMBER: LER6D65D010-EC6DR6055659024-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	6363.9
2.5°	6542.8
5°	6495.6
7.5°	6510.5
10°	6498.9
12.5°	6364.7
15°	6072.4
17.5°	5679.8
20°	5208.6
22.5°	4704.2
25°	4063.2
27.5°	3249.9
30°	2626.2
32.5°	2024.1
35°	1244.8
37.5°	532.5
40°	188.8
42.5°	173.9
45°	170.6
47.5°	164.8
50°	158.2
52.5°	150.7
55°	143.3
57.5°	135.8
60°	128.4
62.5°	120.1
65°	111.0
67.5°	101.9
70°	91.9
72.5°	81.2
75°	70.4
77.5°	58.0
80°	45.6
82.5°	32.3
85°	19.0
87.5°	6.6
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)