

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: P786965

Luminaire Tested: LER6D02D010-EC6DR150210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D02D010-EC6DR150210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 438.9 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

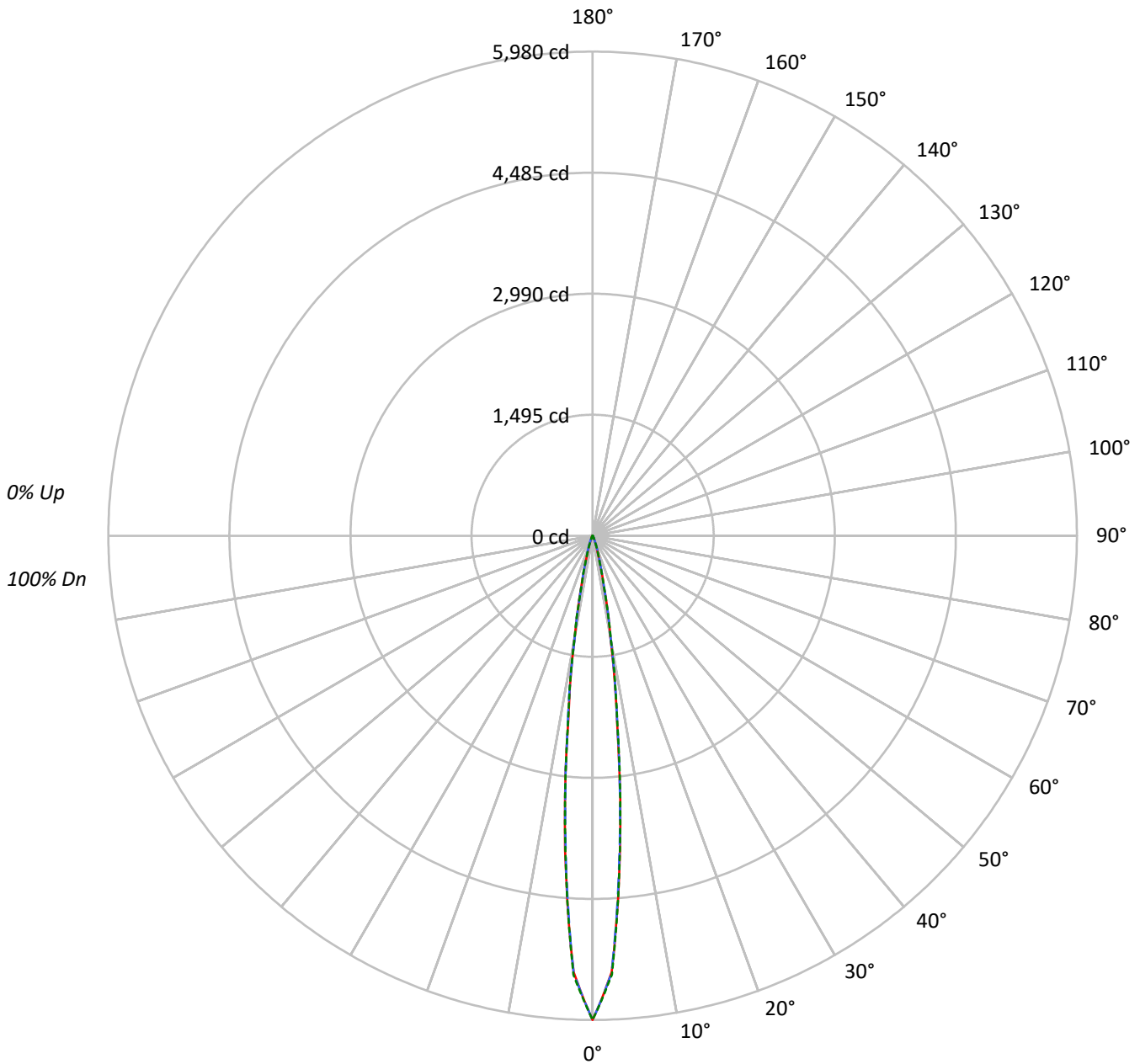
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P786965
CATALOG NUMBER: LER6D02D010-EC6DR150210IC9040-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P786965

CATALOG NUMBER: LER6D02D010-EC6DR150210IC9040-6LBS1LI

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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	672903	672903	672903
5°	395428	390306	393395
10°	118015	118846	120665
15°	29358	29931	29001
20°	8780	10171	8968
25°	3093	3942	3139
30°	1138	1498	1153
35°	566	646	552
40°	362	398	362
45°	266	287	266
50°	209	209	209
55°	174	174	174
60°	140	140	140
65°	107	107	107
70°	95	95	95
75°	60	60	76
80°	39	39	39
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 287 cd/sqm



TEST NUMBER: P786965

CATALOG NUMBER: LER6D02D010-EC6DR150210IC9040-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.7	64.9
10°-20°	117.1	26.7
20°-30°	23.3	5.3
30°-40°	5.8	1.3
40°-50°	3.1	0.7
50°-60°	2.3	0.5
60°-70°	1.6	0.4
70°-80°	0.9	0.2
80°-90°	0.3	0.1
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°	425.0	96.8
0°-40°	430.8	98.1
0°-60°	436.1	99.4
0°-90°	438.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	438.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5980	5980	5980	5980	5980	
5°	3891	3851	3840	3867	3871	284
15°	338	344	345	338	334	116
25°	40	45	51	45	40	21
35°	8	8	9	8	8	5
45°	4	4	4	4	4	3
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P786965

CATALOG NUMBER: LER6D02D010-EC6DR150210IC9040-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5980.3	5980.3	5980.3	5980.3	5980.3
2.5°	5394.5	5399.0	5400.8	5406.1	5425.9
5°	3890.9	3850.9	3840.5	3867.1	3870.9
7.5°	2304.8	2312.9	2342.5	2349.1	2325.3
10°	1264.8	1275.2	1273.7	1282.8	1293.2
12.5°	646.8	638.7	636.2	646.6	632.2
15°	338.0	344.3	344.6	338.5	333.9
17.5°	181.8	189.1	201.3	191.4	176.2
20°	107.3	113.9	124.3	116.2	109.6
22.5°	66.3	71.6	79.0	72.7	67.3
25°	39.7	45.1	50.6	44.8	40.3
27.5°	23.5	28.1	31.6	27.8	23.3
30°	15.2	17.7	20.0	17.5	15.4
32.5°	10.6	11.6	12.7	11.6	10.6
35°	7.8	8.4	8.9	8.4	7.6
37.5°	6.1	6.6	6.8	6.3	5.8
40°	5.1	5.3	5.6	5.3	5.1
42.5°	4.3	4.6	4.6	4.6	4.3
45°	3.8	3.8	4.1	3.8	3.8
47.5°	3.3	3.3	3.5	3.3	3.3
50°	3.0	3.0	3.0	3.0	3.0
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.8	0.8	0.8	0.8	1.0
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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





— 0°-180° - - 45°-225° - - - - 90°-270°

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)