

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: P787620

Luminaire Tested: LER6D05D010-EC6DR200210IC9030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR200210IC9030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 737.1 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

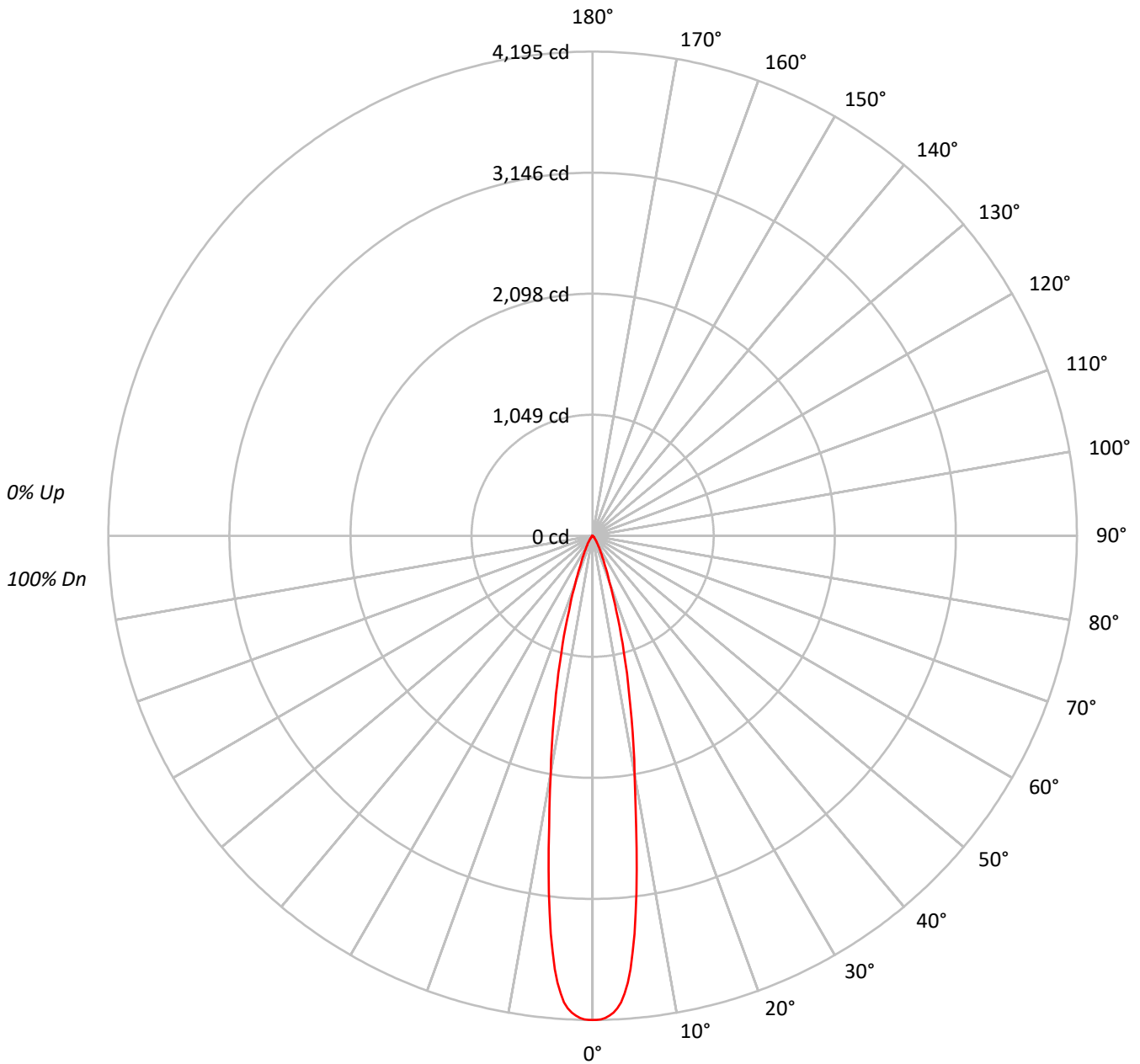
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P787620
CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P787620

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBS1H

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	95	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	93	89																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	91	86																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	88	84																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	86	82																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	84	80																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	82	78																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	81	76																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	458393
5°	413563
10°	232111
15°	117990
20°	49951
25°	23062
30°	12213
35°	6576
40°	3523
45°	2071
50°	1207
55°	648
60°	415
65°	284
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2071 cd/sqm



TEST NUMBER: P787620

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.7	40.5
10°-20°	294.1	39.9
20°-30°	96.1	13.0
30°-40°	32.7	4.4
40°-50°	11.0	1.5
50°-60°	3.3	0.5
60°-70°	1.1	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	688.9	93.5
0°-40°	721.7	97.9
0°-60°	736.0	99.8
0°-90°	737.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	737.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4195	
5°	3771	299
15°	1043	294
25°	191	96
35°	49	33
45°	13	11
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P787620

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4195.4
0.5°	4195.4
1°	4190.2
1.5°	4179.8
2°	4160.7
2.5°	4135.3
3°	4099.4
3.5°	4049.4
4°	3975.0
4.5°	3884.6
5°	3770.7
5.5°	3620.9
6°	3467.3
6.5°	3291.4
7°	3119.1
7.5°	2917.4
8°	2737.3
8.5°	2556.1
9°	2388.8
9.5°	2235.2
10°	2092.1
12.5°	1502.2
15°	1043.1
17.5°	681.4
20°	429.6
22.5°	278.3
25°	191.3
27.5°	134.5
30°	96.8
32.5°	69.5
35°	49.3
37.5°	34.4
40°	24.7
42.5°	17.9
45°	13.4
47.5°	10.5
50°	7.1
52.5°	4.5
55°	3.4
57.5°	2.6
60°	1.9
62.5°	1.5
65°	1.1



TEST NUMBER: P787620
CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBS1H

CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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





— 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



67.5°		0.7
70°		0.4

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

Scaled Data Report



(END OF REPORT)