

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: P790584

Luminaire Tested: LER6D20D010-EC6DR7020359035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR7020359035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3566.7 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

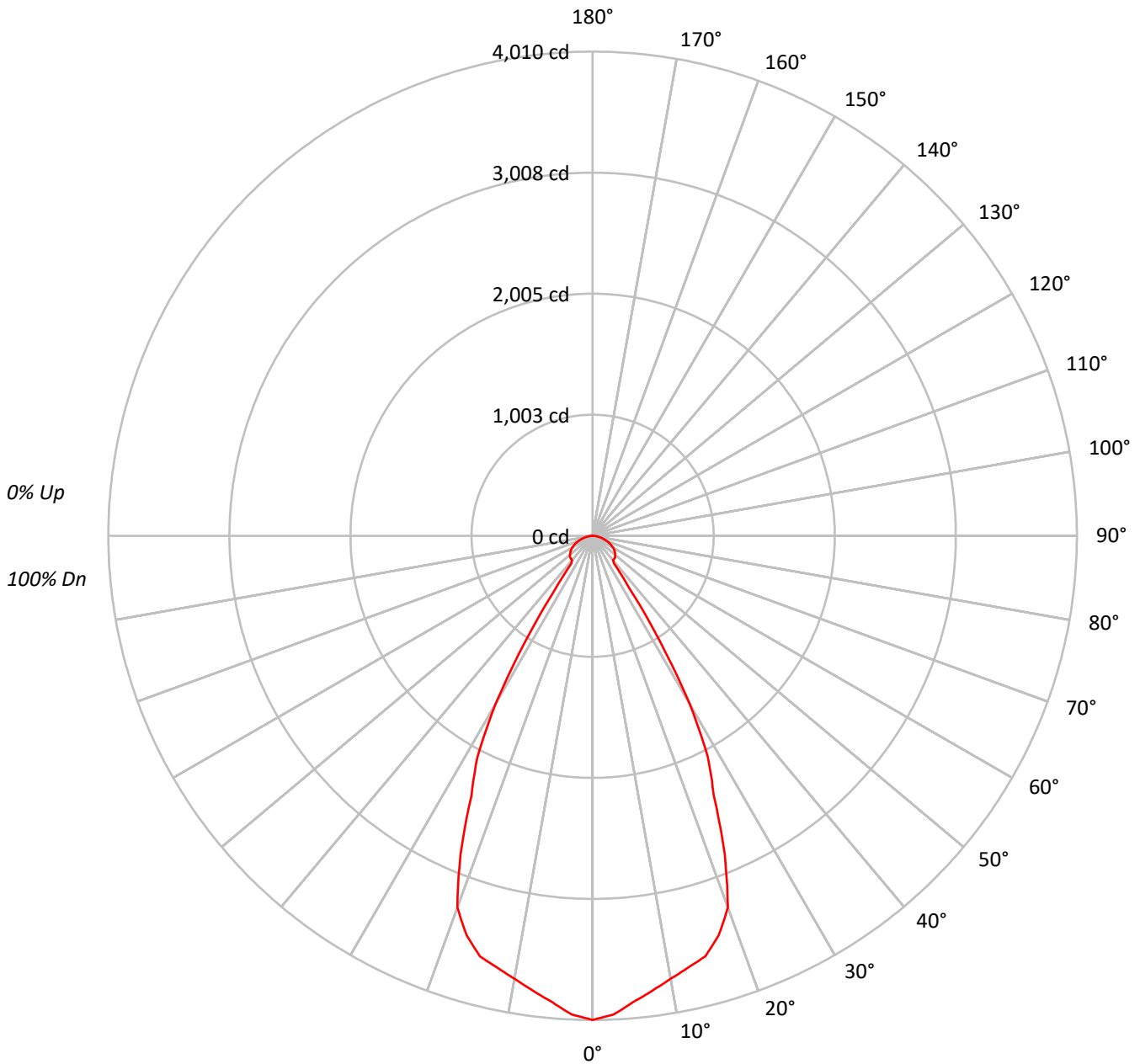
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790584
CATALOG NUMBER: LER6D20D010-EC6DR7020359035-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P790584

CATALOG NUMBER: LER6D20D010-EC6DR7020359035-6LBDP1H

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	438136
5°	425112
10°	413264
15°	407848
20°	380840
25°	286103
30°	202253
35°	71640
40°	37669
45°	40128
50°	41543
55°	42327
60°	42590
65°	41701
70°	39357
75°	36432
80°	32341
85°	26326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 42602 cd/sqm



TEST NUMBER: P790584

CATALOG NUMBER: LER6D20D010-EC6DR7020359035-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.6	10.3
10°-20°	1002.8	28.1
20°-30°	1104.4	31.0
30°-40°	422.0	11.8
40°-50°	199.3	5.6
50°-60°	198.1	5.6
60°-70°	158.6	4.4
70°-80°	91.1	2.6
80°-90°	24.8	0.7
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°	2472.8	69.3
0°-40°	2894.8	81.2
0°-60°	3292.1	92.3
0°-90°	3566.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3566.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4010	
5°	3876	366
15°	3606	1003
25°	2373	1104
35°	537	422
45°	260	199
55°	222	198
65°	161	159
75°	86	91
85°	21	25
90°	0	



TEST NUMBER: P790584

CATALOG NUMBER: LER6D20D010-EC6DR7020359035-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4010.0
2.5°	3968.1
5°	3876.0
7.5°	3799.2
10°	3724.9
12.5°	3662.1
15°	3605.6
17.5°	3469.1
20°	3275.4
22.5°	2857.7
25°	2373.2
27.5°	2065.9
30°	1603.1
32.5°	1035.5
35°	537.1
37.5°	290.1
40°	264.1
42.5°	262.2
45°	259.7
47.5°	254.0
50°	244.4
52.5°	233.6
55°	222.2
57.5°	209.5
60°	194.9
62.5°	178.4
65°	161.3
67.5°	142.2
70°	123.2
72.5°	104.1
75°	86.3
77.5°	67.9
80°	51.4
82.5°	36.2
85°	21.0
87.5°	8.3
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)