

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: P790464

Luminaire Tested: LER6D20D010-EC6DR6020359024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790464
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: LER6D20D010-EC6DR6020359024-6LBBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2928.4 lumens
Efficiency: N/A
Efficacy: 126.8 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): 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

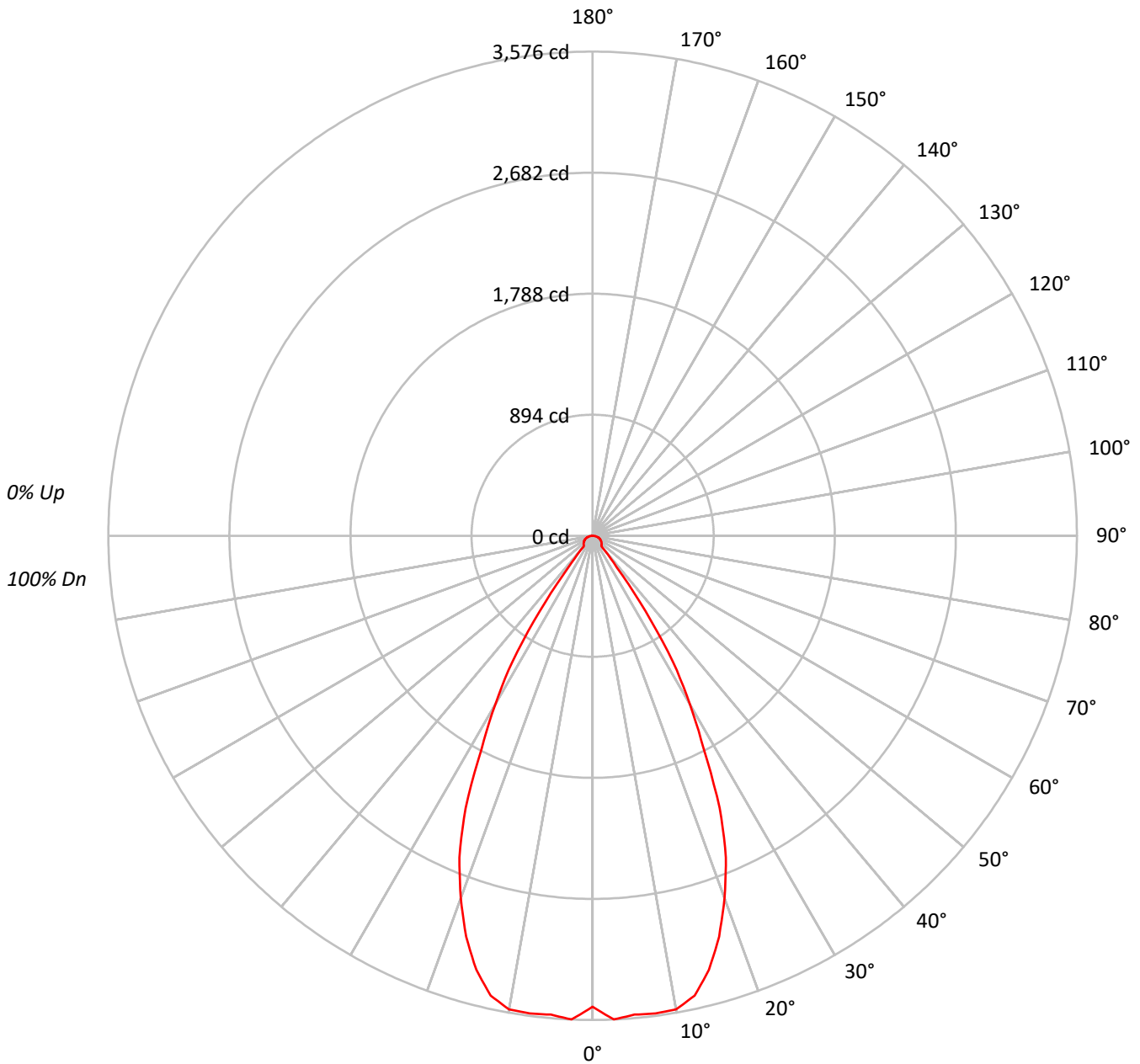


Downlight

TEST NUMBER: P790464

CATALOG NUMBER: LER6D20D010-EC6DR6020359024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P790464

CATALOG NUMBER: LER6D20D010-EC6DR6020359024-6LBDP1H

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			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°	379987
5°	389335
10°	394037
15°	375372
20°	330959
25°	267694
30°	181070
35°	90740
40°	14719
45°	14401
50°	14686
55°	14915
60°	15340
65°	15667
70°	16037
75°	16253
80°	15667
85°	13038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 16253 cd/sqm



TEST NUMBER: P790464

CATALOG NUMBER: LER6D20D010-EC6DR6020359024-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.3	11.6
10°-20°	917.9	31.3
20°-30°	987.6	33.7
30°-40°	429.3	14.7
40°-50°	72.1	2.5
50°-60°	70.1	2.4
60°-70°	60.0	2.0
70°-80°	40.1	1.4
80°-90°	12.0	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°	2244.8	76.7
0°-40°	2674.1	91.3
0°-60°	2816.3	96.2
0°-90°	2928.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2928.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3478	
5°	3550	339
15°	3318	918
25°	2220	988
35°	680	429
45°	93	72
55°	78	70
65°	61	60
75°	38	40
85°	10	12
90°	0	



TEST NUMBER: P790464

CATALOG NUMBER: LER6D20D010-EC6DR6020359024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	3477.8
2.5°	3575.6
5°	3549.8
7.5°	3557.9
10°	3551.6
12.5°	3478.3
15°	3318.5
17.5°	3104.0
20°	2846.4
22.5°	2570.8
25°	2220.5
27.5°	1776.0
30°	1435.2
32.5°	1106.2
35°	680.3
37.5°	291.0
40°	103.2
42.5°	95.0
45°	93.2
47.5°	90.1
50°	86.4
52.5°	82.4
55°	78.3
57.5°	74.2
60°	70.2
62.5°	65.6
65°	60.6
67.5°	55.7
70°	50.2
72.5°	44.4
75°	38.5
77.5°	31.7
80°	24.9
82.5°	17.7
85°	10.4
87.5°	3.6
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)