

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: P792130

Luminaire Tested: LER6D35BD010-EC6DR6020359040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792130
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: LER6D35BD010-EC6DR6020359040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3653.2 lumens
Efficiency: N/A
Efficacy: 118.6 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): 30.8
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

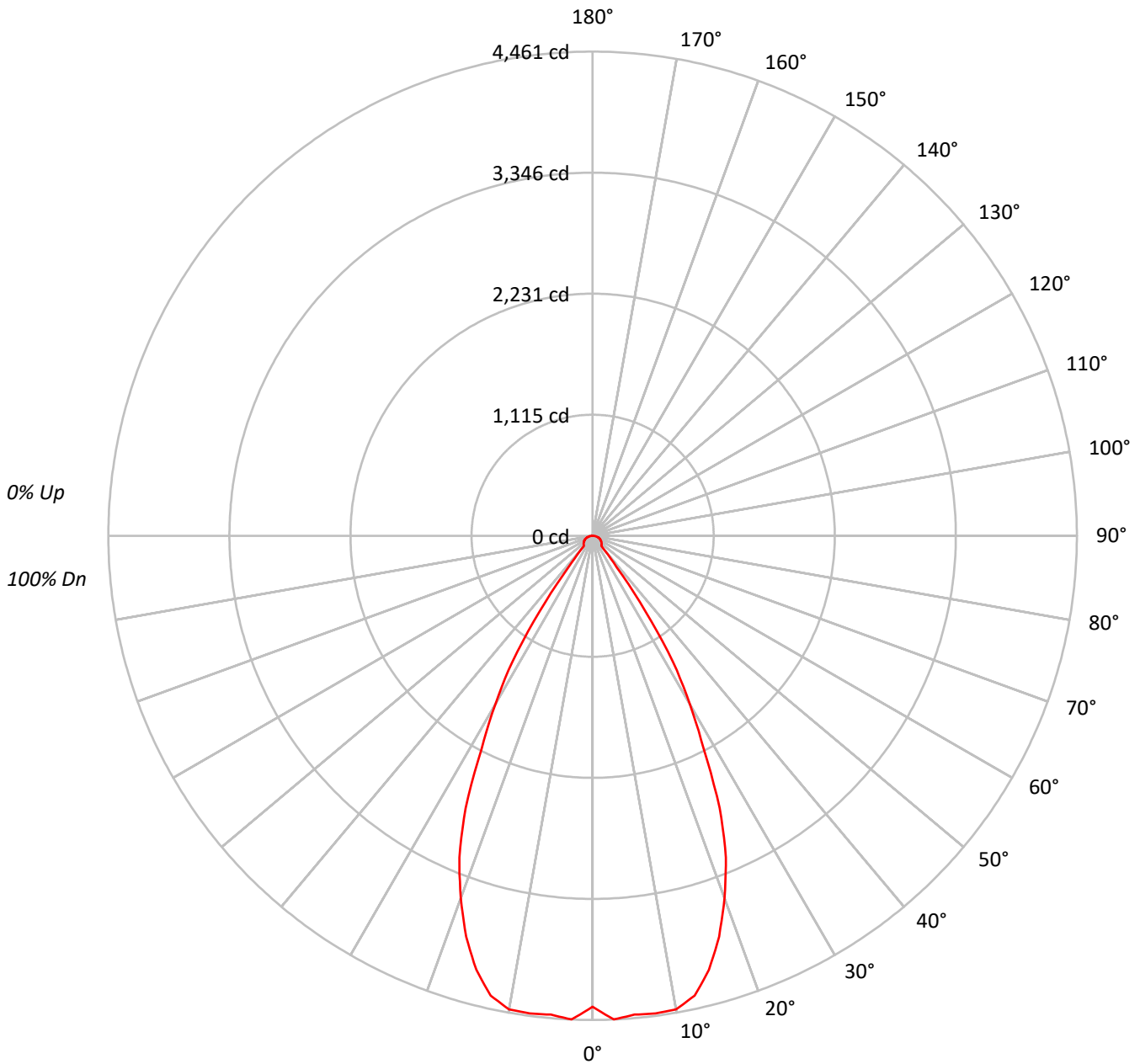


Downlight

TEST NUMBER: P792130

CATALOG NUMBER: LER6D35BD010-EC6DR6020359040-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P792130

CATALOG NUMBER: LER6D35BD010-EC6DR6020359040-6LBDP1MW

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°	474039
5°	485699
10°	491559
15°	468285
20°	412885
25°	333952
30°	225883
35°	113189
40°	18356
45°	17970
50°	18324
55°	18611
60°	19121
65°	19571
70°	20030
75°	20263
80°	19568
85°	16297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 20263 cd/sqm



TEST NUMBER: P792130

CATALOG NUMBER: LER6D35BD010-EC6DR6020359040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.2	11.6
10°-20°	1145.1	31.3
20°-30°	1232.0	33.7
30°-40°	535.5	14.7
40°-50°	90.0	2.5
50°-60°	87.5	2.4
60°-70°	74.8	2.0
70°-80°	50.0	1.4
80°-90°	15.0	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°	2800.4	76.7
0°-40°	3335.9	91.3
0°-60°	3513.4	96.2
0°-90°	3653.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3653.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4339	
5°	4428	423
15°	4140	1145
25°	2770	1232
35°	849	536
45°	116	90
55°	98	87
65°	76	75
75°	48	50
85°	13	15
90°	0	



TEST NUMBER: P792130

CATALOG NUMBER: LER6D35BD010-EC6DR6020359040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4338.6
2.5°	4460.6
5°	4428.4
7.5°	4438.5
10°	4430.6
12.5°	4339.2
15°	4139.9
17.5°	3872.2
20°	3551.0
22.5°	3207.1
25°	2770.1
27.5°	2215.6
30°	1790.4
32.5°	1380.0
35°	848.6
37.5°	363.1
40°	128.7
42.5°	118.6
45°	116.3
47.5°	112.4
50°	107.8
52.5°	102.8
55°	97.7
57.5°	92.6
60°	87.5
62.5°	81.9
65°	75.7
67.5°	69.4
70°	62.7
72.5°	55.3
75°	48.0
77.5°	39.5
80°	31.1
82.5°	22.0
85°	13.0
87.5°	4.5
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)