

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: P791819

Luminaire Tested: LER6D35BD010-EC6DR3020359027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR3020359027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3557.5 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

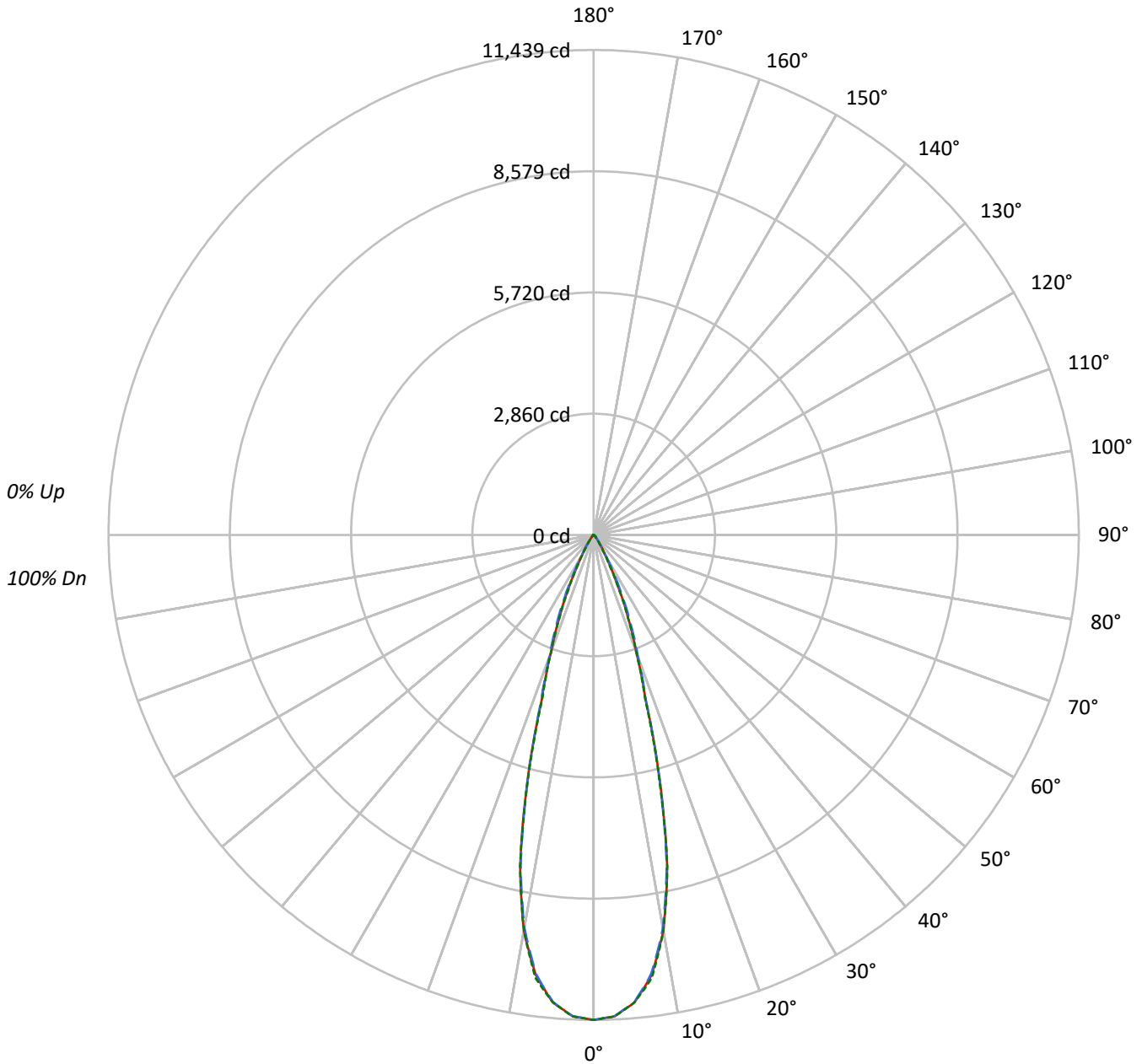
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P791819
CATALOG NUMBER: LER6D35BD010-EC6DR3020359027-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P791819

CATALOG NUMBER: LER6D35BD010-EC6DR3020359027-6LBS1B

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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	875588	875588	875588
5°	850449	849458	850495
10°	736623	731424	736445
15°	480612	478029	475628
20°	238983	247951	238665
25°	120384	135755	117918
30°	48196	52518	41992
35°	22361	21408	17950
40°	9652	10721	9093
45°	6809	8454	6874
50°	2346	6156	2477
55°	1348	2549	1428
60°	949	1118	949
65°	616	616	616
70°	380	246	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 8454 cd/sqm



TEST NUMBER: P791819

CATALOG NUMBER: LER6D35BD010-EC6DR3020359027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.9	28.3
10°-20°	1620.0	45.5
20°-30°	700.1	19.7
30°-40°	159.6	4.5
40°-50°	54.8	1.5
50°-60°	13.4	0.4
60°-70°	3.5	0.1
70°-80°	0.4	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°	3325.9	93.5
0°-40°	3485.5	98.0
0°-60°	3553.7	99.9
0°-90°	3557.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3557.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11439	11439	11439	11439	11439	
5°	11068	11058	11056	11079	11069	1007
15°	6065	5992	6032	6013	6002	1624
25°	1425	1479	1607	1442	1396	682
35°	239	244	229	228	192	162
45°	63	78	78	78	64	45
55°	10	11	19	11	11	10
65°	3	3	3	3	3	3
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P791819

CATALOG NUMBER: LER6D35BD010-EC6DR3020359027-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11439.1	11439.1	11439.1	11439.1	11439.1
2.5°	11363.3	11355.4	11359.9	11365.5	11367.8
5°	11068.4	11057.8	11055.5	11078.6	11069.0
7.5°	10473.7	10458.5	10435.5	10487.7	10536.6
10°	9477.4	9460.5	9410.5	9435.2	9475.1
12.5°	8006.5	7952.0	7950.9	8029.5	8018.8
15°	6065.0	5991.9	6032.4	6012.7	6002.1
17.5°	4078.5	4050.4	4104.3	4088.0	4017.8
20°	2933.9	2941.2	3044.0	2992.3	2930.0
22.5°	2140.9	2167.3	2289.2	2156.1	2107.2
25°	1425.4	1479.3	1607.4	1441.7	1396.2
27.5°	876.7	901.4	1031.1	865.5	840.7
30°	545.3	533.0	594.2	510.0	475.1
32.5°	357.8	342.0	361.7	324.6	296.5
35°	239.3	244.3	229.1	227.5	192.1
37.5°	149.4	171.9	151.6	161.7	123.6
40°	96.6	124.7	107.3	118.5	91.0
42.5°	79.2	96.0	88.2	93.8	80.9
45°	62.9	78.1	78.1	78.1	63.5
47.5°	34.8	52.2	66.8	53.4	37.1
50°	19.7	26.4	51.7	27.5	20.8
52.5°	13.5	15.2	35.4	15.7	14.0
55°	10.1	10.7	19.1	11.2	10.7
57.5°	7.9	8.4	10.1	8.4	7.9
60°	6.2	6.2	7.3	6.7	6.2
62.5°	4.5	4.5	5.1	4.5	4.5
65°	3.4	3.4	3.4	3.4	3.4
67.5°	1.7	2.2	2.2	2.2	2.2
70°	1.7	1.1	1.1	1.1	1.7
72.5°	1.1	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)