

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: P790204

Luminaire Tested: LER6D20D010-EC6DR3020359035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790204
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: LER6D20D010-EC6DR3020359035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3632.1 lumens
Efficiency: N/A
Efficacy: 157.2 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): 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

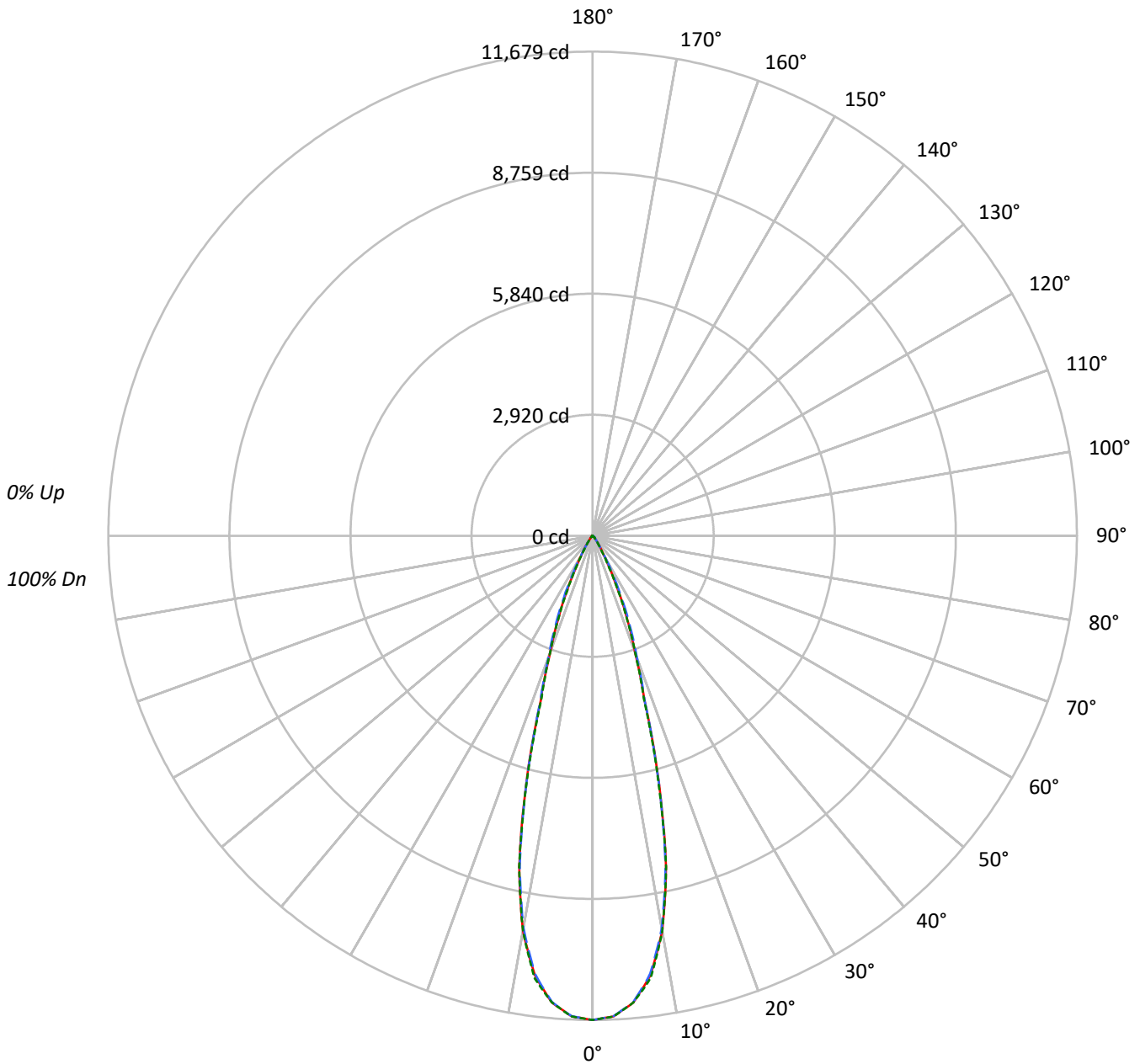


Downlight

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Luminous Intensity Polar Plot





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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	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°	893950	893950	893950
5°	868290	867276	868337
10°	752067	746766	751888
15°	490692	488053	485597
20°	243993	253148	243667
25°	122909	138601	120392
30°	49213	53623	42875
35°	22828	21856	18324
40°	9852	10941	9283
45°	6950	8627	7015
50°	2394	6287	2525
55°	1375	2602	1455
60°	964	1148	964
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: 8627 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.0	28.3
10°-20°	1654.0	45.5
20°-30°	714.7	19.7
30°-40°	162.9	4.5
40°-50°	55.9	1.5
50°-60°	13.7	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°	3395.7	93.5
0°-40°	3558.6	98.0
0°-60°	3628.2	99.9
0°-90°	3632.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3632.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11679	11679	11679	11679	11679	
5°	11301	11290	11287	11311	11301	1028
15°	6192	6118	6159	6139	6128	1658
25°	1455	1510	1641	1472	1426	697
35°	244	249	234	232	196	166
45°	64	80	80	80	65	46
55°	10	11	20	12	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11679.0	11679.0	11679.0	11679.0	11679.0
2.5°	11601.6	11593.6	11598.2	11603.9	11606.2
5°	11300.6	11289.7	11287.4	11310.9	11301.2
7.5°	10693.4	10677.9	10654.4	10707.7	10757.6
10°	9676.1	9658.9	9607.9	9633.1	9673.8
12.5°	8174.4	8118.8	8117.6	8197.9	8187.0
15°	6192.2	6117.6	6158.9	6138.8	6127.9
17.5°	4164.0	4135.4	4190.4	4173.8	4102.1
20°	2995.4	3002.9	3107.8	3055.1	2991.4
22.5°	2185.8	2212.8	2337.2	2201.3	2151.4
25°	1455.3	1510.3	1641.1	1471.9	1425.5
27.5°	895.1	920.3	1052.8	883.6	858.4
30°	556.8	544.2	606.7	520.6	485.1
32.5°	365.3	349.2	369.3	331.4	302.8
35°	244.3	249.4	233.9	232.2	196.1
37.5°	152.5	175.5	154.8	165.1	126.1
40°	98.6	127.3	109.5	121.0	92.9
42.5°	80.8	98.1	90.0	95.8	82.6
45°	64.2	79.7	79.7	79.7	64.8
47.5°	35.6	53.3	68.2	54.5	37.8
50°	20.1	26.9	52.8	28.1	21.2
52.5°	13.8	15.5	36.1	16.1	14.3
55°	10.3	10.9	19.5	11.5	10.9
57.5°	8.0	8.6	10.3	8.6	8.0
60°	6.3	6.3	7.5	6.9	6.3
62.5°	4.6	4.6	5.2	4.6	4.6
65°	3.4	3.4	3.4	3.4	3.4
67.5°	1.7	2.3	2.3	2.3	2.3
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



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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