

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: P791336

Luminaire Tested: LER6D30D010-EC6DR3020359027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791336
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: LER6D30D010-EC6DR3020359027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5260.6 lumens
Efficiency: N/A
Efficacy: 181.4 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): 29
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

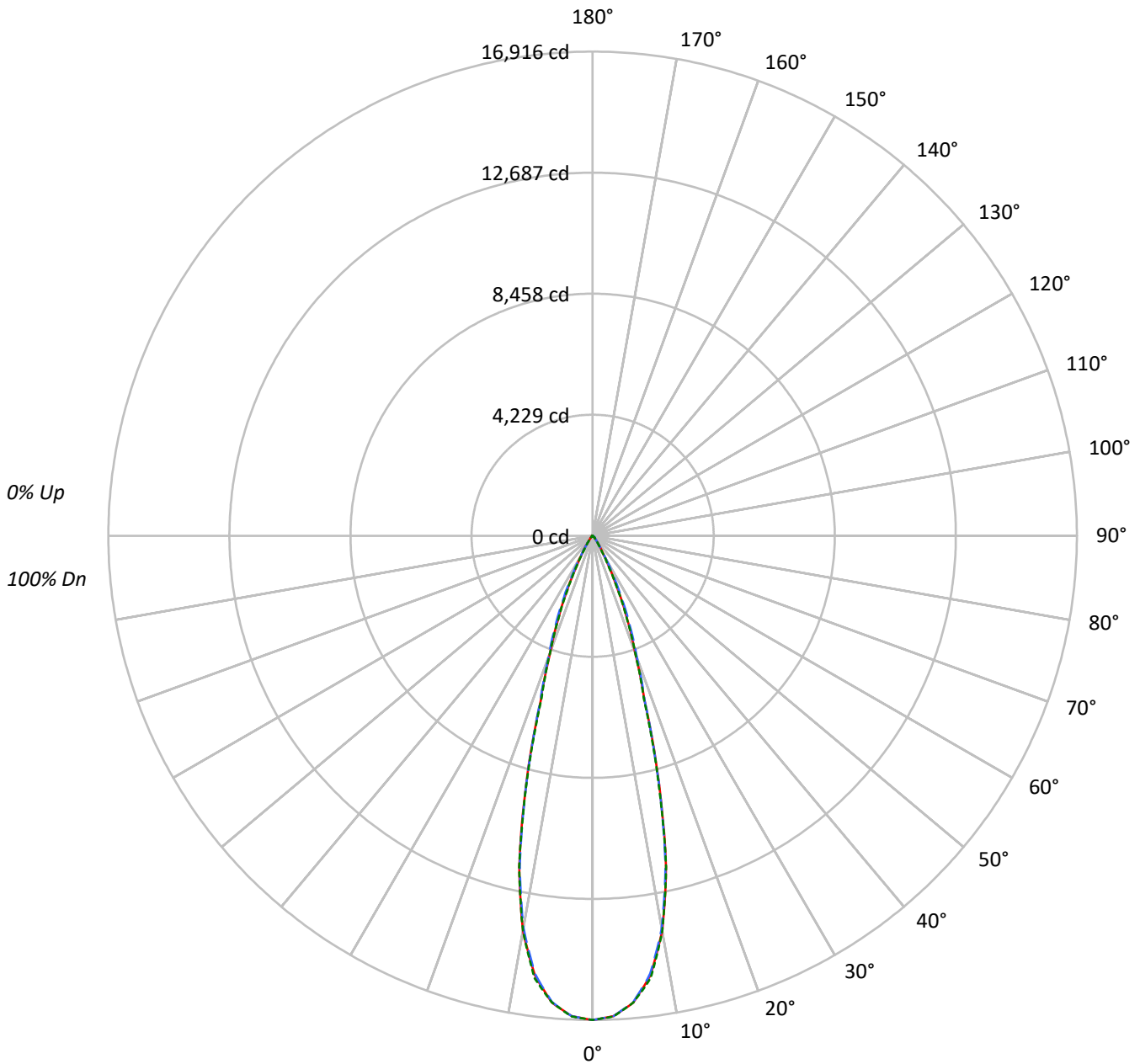


Downlight

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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					70					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°	1294777	1294777	1294777
5°	1257602	1256134	1257671
10°	1089274	1081594	1089017
15°	710696	706884	703326
20°	353396	366657	352923
25°	178017	200744	174368
30°	71273	77664	62099
35°	33060	31658	26538
40°	14269	15847	13439
45°	10067	12492	10154
50°	3465	9098	3656
55°	1988	3763	2108
60°	1393	1653	1393
65°	906	906	906
70°	559	380	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12492 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1487.5	28.3
10°-20°	2395.6	45.5
20°-30°	1035.2	19.7
30°-40°	235.9	4.5
40°-50°	81.0	1.5
50°-60°	19.8	0.4
60°-70°	5.1	0.1
70°-80°	0.5	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°	4918.2	93.5
0°-40°	5154.2	98.0
0°-60°	5255.0	99.9
0°-90°	5260.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5260.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16916	16916	16916	16916	16916	
5°	16367	16352	16348	16382	16368	1489
15°	8968	8861	8920	8891	8876	2401
25°	2108	2188	2377	2132	2065	1009
35°	354	361	339	336	284	240
45°	93	115	115	115	94	66
55°	15	16	28	17	16	15
65°	5	5	5	5	5	5
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°	16915.6	16915.6	16915.6	16915.6	16915.6
2.5°	16803.5	16791.8	16798.5	16806.8	16810.1
5°	16367.4	16351.7	16348.3	16382.4	16368.3
7.5°	15488.0	15465.5	15431.5	15508.7	15581.0
10°	14014.6	13989.7	13915.8	13952.4	14011.3
12.5°	11839.6	11759.0	11757.4	11873.6	11857.8
15°	8968.5	8860.6	8920.4	8891.3	8875.5
17.5°	6031.1	5989.5	6069.3	6045.2	5941.4
20°	4338.5	4349.3	4501.3	4424.9	4332.7
22.5°	3165.9	3204.9	3385.1	3188.3	3116.0
25°	2107.8	2187.5	2376.9	2131.9	2064.6
27.5°	1296.4	1332.9	1524.8	1279.8	1243.3
30°	806.4	788.1	878.7	754.1	702.6
32.5°	529.0	505.8	534.8	480.0	438.5
35°	353.8	361.3	338.8	336.4	284.0
37.5°	220.9	254.1	224.2	239.2	182.7
40°	142.8	184.4	158.6	175.2	134.5
42.5°	117.1	142.0	130.4	138.7	119.6
45°	93.0	115.4	115.4	115.4	93.8
47.5°	51.5	77.2	98.8	78.9	54.8
50°	29.1	39.0	76.4	40.7	30.7
52.5°	19.9	22.4	52.3	23.3	20.8
55°	14.9	15.8	28.2	16.6	15.8
57.5°	11.6	12.5	14.9	12.5	11.6
60°	9.1	9.1	10.8	10.0	9.1
62.5°	6.6	6.6	7.5	6.6	6.6
65°	5.0	5.0	5.0	5.0	5.0
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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