

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: P787100

Luminaire Tested: LER6D02D010-EC6DR300210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787100
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: LER6D02D010-EC6DR300210IC9035-6LBS1H
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: 686.5 lumens
Efficiency: N/A
Efficacy: 134.6 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): 5.1
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

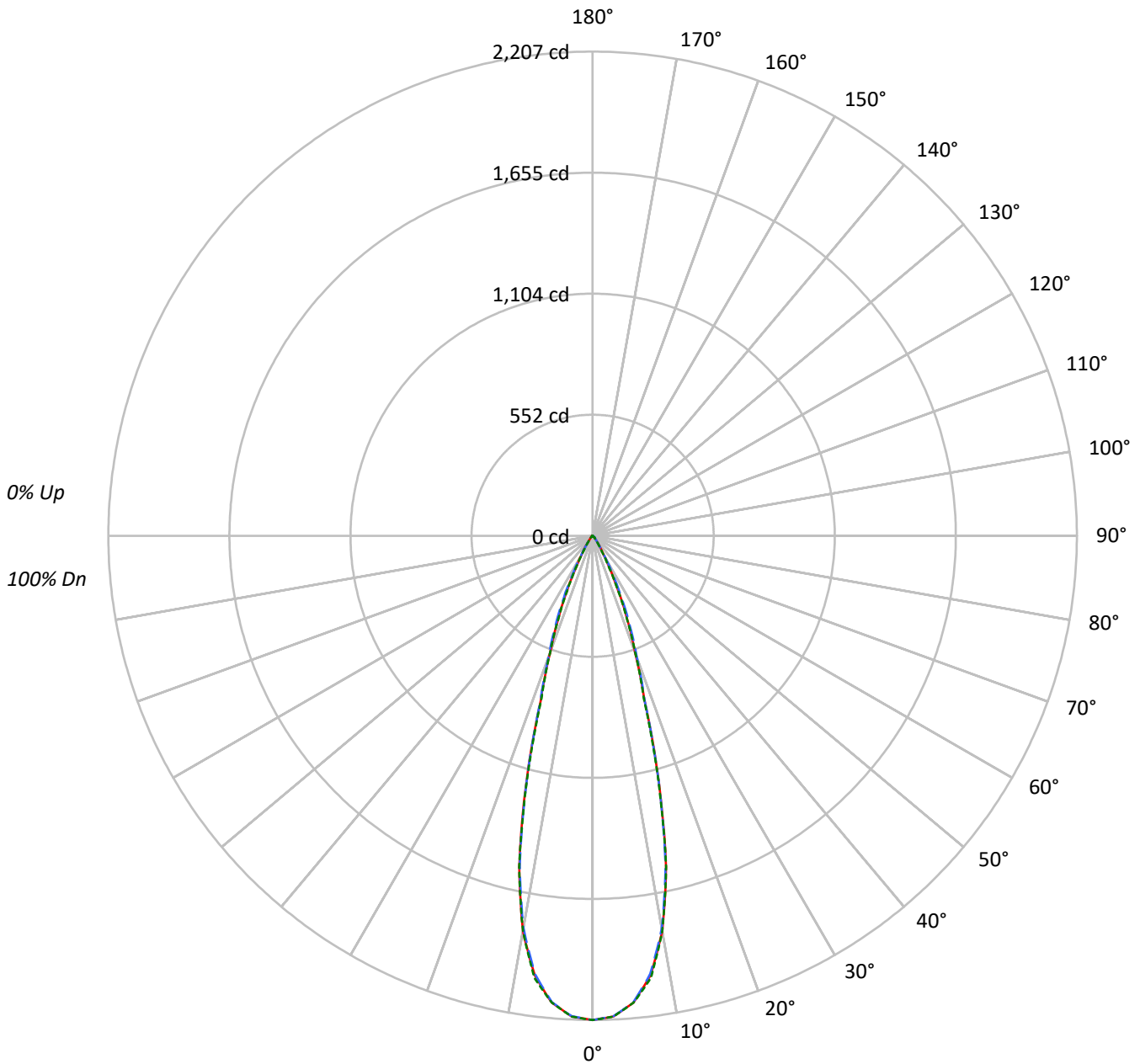


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	168962	168962	168962
5°	164106	163914	164114
10°	142142	141139	142111
15°	92739	92239	91780
20°	46112	47847	46055
25°	23234	26198	22753
30°	9298	10138	8105
35°	4317	4130	3467
40°	1859	2068	1759
45°	1310	1635	1321
50°	453	1191	476
55°	267	494	280
60°	184	214	184
65°	127	127	127
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1635 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	28.3
10°-20°	312.6	45.5
20°-30°	135.1	19.7
30°-40°	30.8	4.5
40°-50°	10.6	1.5
50°-60°	2.6	0.4
60°-70°	0.7	0.1
70°-80°	0.1	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°	641.8	93.5
0°-40°	672.6	98.0
0°-60°	685.7	99.9
0°-90°	686.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2207	2207	2207	2207	2207	
5°	2136	2134	2133	2138	2136	194
15°	1170	1156	1164	1160	1158	313
25°	275	286	310	278	269	132
35°	46	47	44	44	37	31
45°	12	15	15	15	12	9
55°	2	2	4	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	2207.4	2207.4	2207.4	2207.4	2207.4
2.5°	2192.7	2191.2	2192.1	2193.2	2193.6
5°	2135.8	2133.8	2133.3	2137.8	2135.9
7.5°	2021.1	2018.1	2013.7	2023.8	2033.2
10°	1828.8	1825.6	1815.9	1820.7	1828.4
12.5°	1545.0	1534.5	1534.2	1549.4	1547.4
15°	1170.3	1156.2	1164.0	1160.3	1158.2
17.5°	787.0	781.6	792.0	788.9	775.3
20°	566.1	567.6	587.4	577.4	565.4
22.5°	413.1	418.2	441.7	416.0	406.6
25°	275.1	285.5	310.2	278.2	269.4
27.5°	169.2	173.9	199.0	167.0	162.2
30°	105.2	102.8	114.7	98.4	91.7
32.5°	69.0	66.0	69.8	62.6	57.2
35°	46.2	47.1	44.2	43.9	37.1
37.5°	28.8	33.2	29.3	31.2	23.8
40°	18.6	24.1	20.7	22.9	17.6
42.5°	15.3	18.5	17.0	18.1	15.6
45°	12.1	15.1	15.1	15.1	12.2
47.5°	6.7	10.1	12.9	10.3	7.2
50°	3.8	5.1	10.0	5.3	4.0
52.5°	2.6	2.9	6.8	3.0	2.7
55°	2.0	2.1	3.7	2.2	2.1
57.5°	1.5	1.6	2.0	1.6	1.5
60°	1.2	1.2	1.4	1.3	1.2
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.4	0.4	0.4	0.4
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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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