

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: P787728

Luminaire Tested: LER6D05D010-EC6DR300210IC9040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787728
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: LER6D05D010-EC6DR300210IC9040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1221.9 lumens
Efficiency: N/A
Efficacy: 162.9 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): 7.5
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

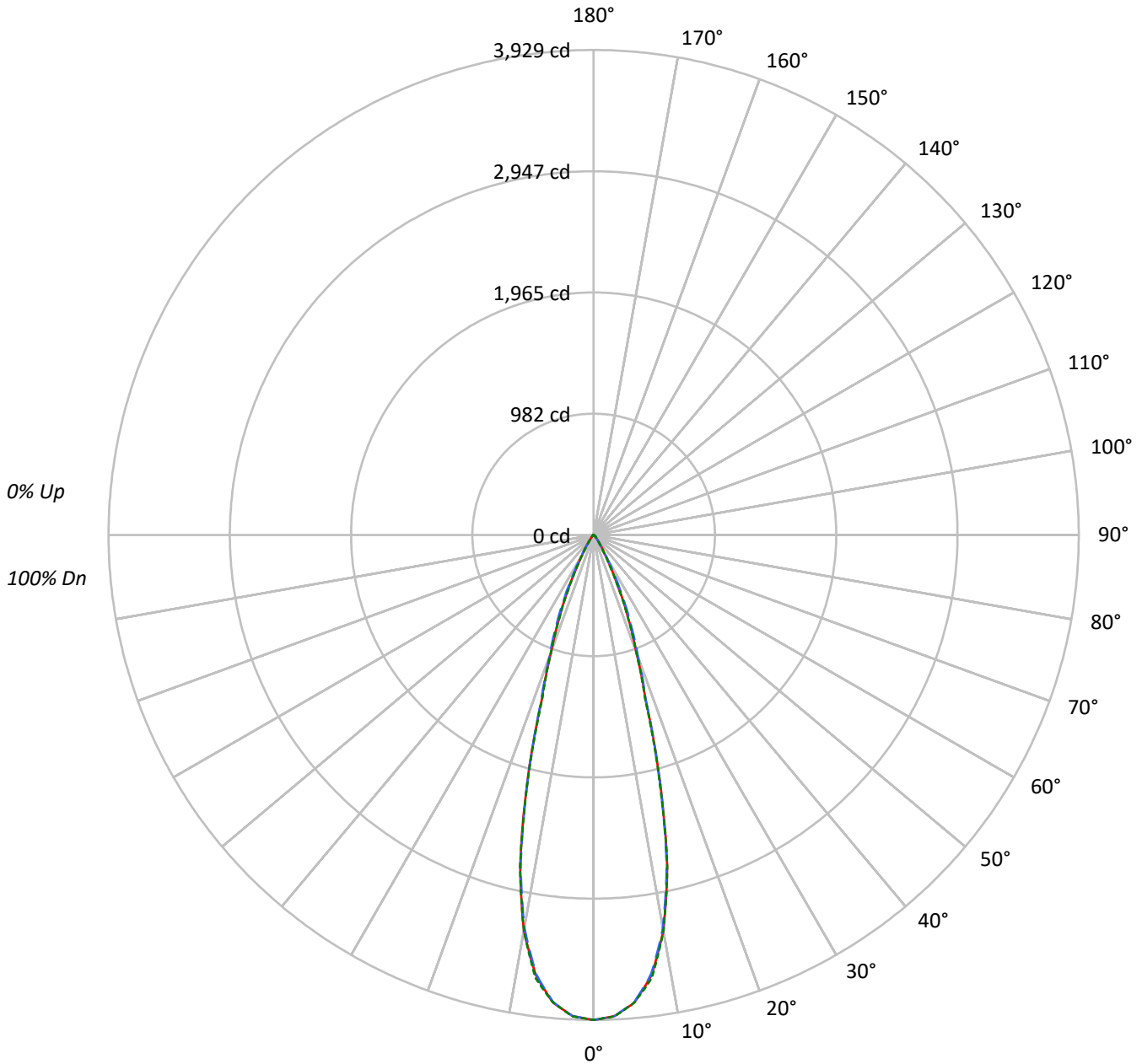


Downlight

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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°	300731	300731	300731
5°	292099	291761	292114
10°	253000	251220	252946
15°	165072	164185	163361
20°	82083	85162	81969
25°	41350	46628	40497
30°	16554	18039	14424
35°	7681	7354	6167
40°	3317	3677	3118
45°	2338	2901	2360
50°	810	2108	845
55°	467	881	494
60°	321	383	321
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.5	28.3
10°-20°	556.4	45.5
20°-30°	240.4	19.7
30°-40°	54.8	4.5
40°-50°	18.8	1.5
50°-60°	4.6	0.4
60°-70°	1.2	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°	1142.3	93.5
0°-40°	1197.1	98.0
0°-60°	1220.6	99.9
0°-90°	1221.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3929	3929	3929	3929	3929	
5°	3802	3798	3797	3805	3802	346
15°	2083	2058	2072	2065	2062	558
25°	490	508	552	495	480	234
35°	82	84	79	78	66	56
45°	22	27	27	27	22	15
55°	4	4	7	4	4	3
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3928.9	3928.9	3928.9	3928.9	3928.9
2.5°	3902.9	3900.2	3901.7	3903.7	3904.4
5°	3801.6	3797.9	3797.2	3805.1	3801.8
7.5°	3597.3	3592.1	3584.2	3602.2	3618.9
10°	3255.1	3249.3	3232.2	3240.7	3254.4
12.5°	2749.9	2731.2	2730.8	2757.8	2754.2
15°	2083.1	2058.0	2071.9	2065.2	2061.5
17.5°	1400.8	1391.2	1409.7	1404.1	1380.0
20°	1007.7	1010.2	1045.5	1027.8	1006.3
22.5°	735.3	744.4	786.2	740.5	723.7
25°	489.6	508.1	552.1	495.2	479.5
27.5°	301.1	309.6	354.2	297.3	288.8
30°	187.3	183.1	204.1	175.2	163.2
32.5°	122.9	117.5	124.2	111.5	101.8
35°	82.2	83.9	78.7	78.1	66.0
37.5°	51.3	59.0	52.1	55.6	42.4
40°	33.2	42.8	36.8	40.7	31.2
42.5°	27.2	33.0	30.3	32.2	27.8
45°	21.6	26.8	26.8	26.8	21.8
47.5°	12.0	17.9	23.0	18.3	12.7
50°	6.8	9.1	17.7	9.5	7.1
52.5°	4.6	5.2	12.2	5.4	4.8
55°	3.5	3.7	6.6	3.9	3.7
57.5°	2.7	2.9	3.5	2.9	2.7
60°	2.1	2.1	2.5	2.3	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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