

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: P788121

Luminaire Tested: LER6D05D010-EC6DR700210IC9050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR700210IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1310.5 lumens
Efficiency: N/A
Efficacy: 174.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' 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

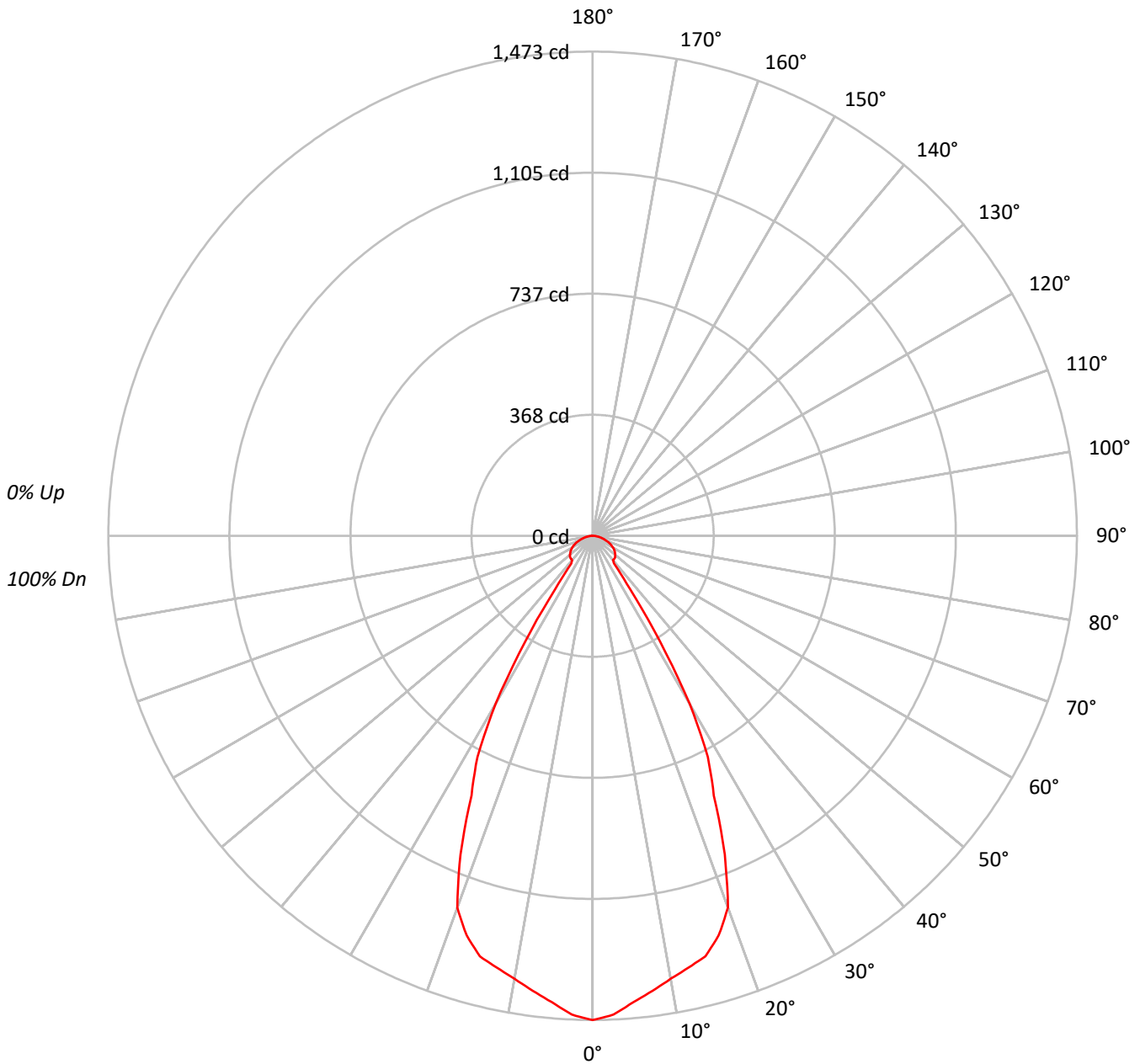


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160985
5°	156204
10°	151852
15°	149855
20°	139934
25°	105125
30°	74310
35°	26330
40°	13835
45°	14741
50°	15264
55°	15544
60°	15646
65°	15331
70°	14471
75°	13382
80°	11892
85°	9653

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 15658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	10.3
10°-20°	368.5	28.1
20°-30°	405.8	31.0
30°-40°	155.1	11.8
40°-50°	73.2	5.6
50°-60°	72.8	5.6
60°-70°	58.3	4.4
70°-80°	33.5	2.6
80°-90°	9.1	0.7
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°	908.6	69.3
0°-40°	1063.7	81.2
0°-60°	1209.6	92.3
0°-90°	1310.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1310.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1473	
5°	1424	134
15°	1325	368
25°	872	406
35°	197	155
45°	95	73
55°	82	73
65°	59	58
75°	32	34
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1473.4
2.5°	1458.0
5°	1424.2
7.5°	1396.0
10°	1368.7
12.5°	1345.6
15°	1324.8
17.5°	1274.7
20°	1203.5
22.5°	1050.0
25°	872.0
27.5°	759.1
30°	589.0
32.5°	380.5
35°	197.4
37.5°	106.6
40°	97.0
42.5°	96.3
45°	95.4
47.5°	93.3
50°	89.8
52.5°	85.8
55°	81.6
57.5°	77.0
60°	71.6
62.5°	65.6
65°	59.3
67.5°	52.3
70°	45.3
72.5°	38.3
75°	31.7
77.5°	25.0
80°	18.9
82.5°	13.3
85°	7.7
87.5°	3.0
90°	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

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— 0°-180°

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(END OF REPORT)