

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: P788088

Luminaire Tested: LER6D05D010-EC6DR700210IC9027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788088
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-EC6DR700210IC9027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1127.5 lumens
Efficiency: N/A
Efficacy: 150.3 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

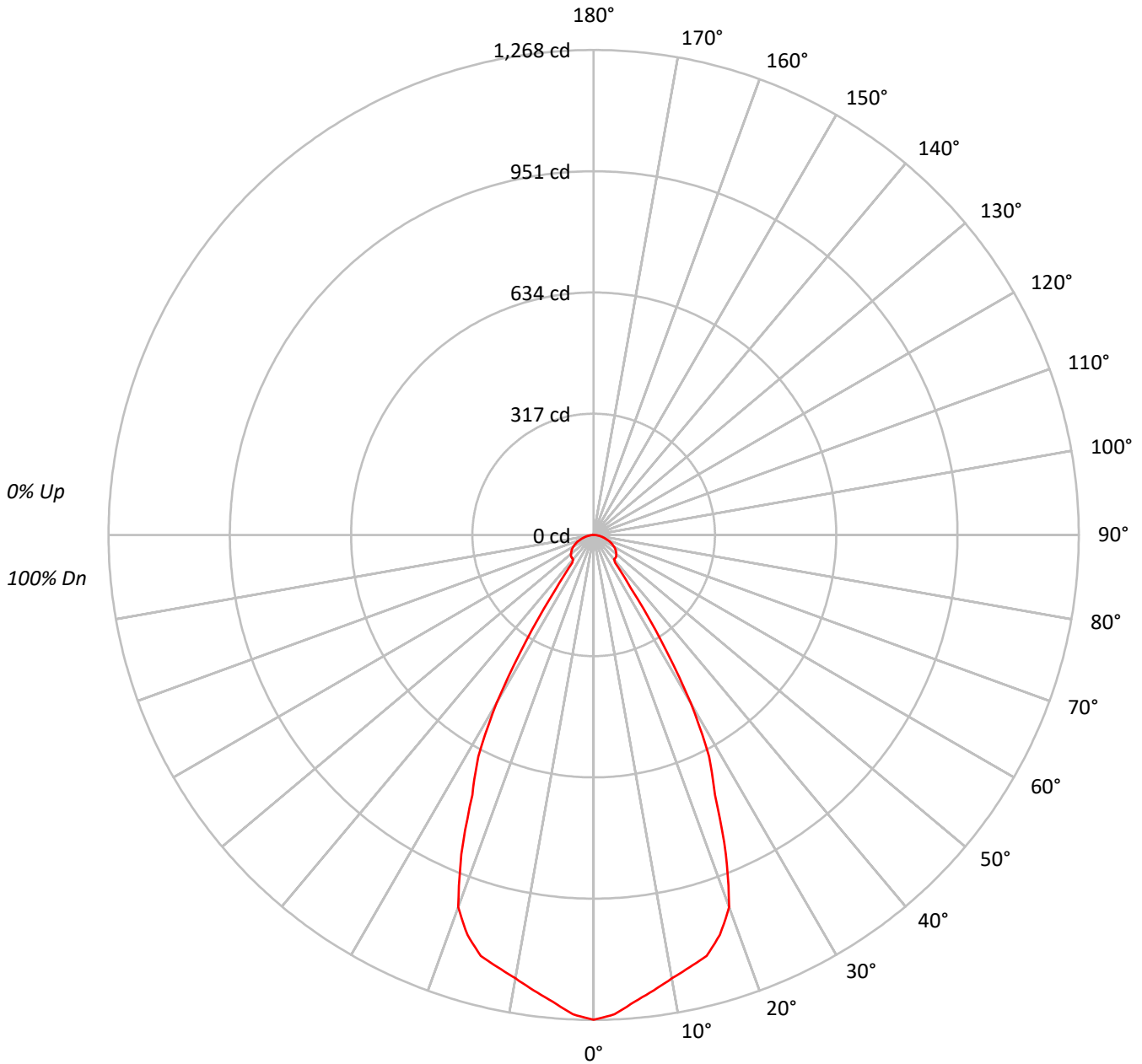
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	138499
5°	134389
10°	130639
15°	128929
20°	120389
25°	90441
30°	63940
35°	22648
40°	11910
45°	12686
50°	13139
55°	13372
60°	13461
65°	13185
70°	12427
75°	11525
80°	10256
85°	8274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 13462 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	10.3
10°-20°	317.0	28.1
20°-30°	349.1	31.0
30°-40°	133.4	11.8
40°-50°	63.0	5.6
50°-60°	62.6	5.6
60°-70°	50.1	4.4
70°-80°	28.8	2.6
80°-90°	7.8	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°	781.7	69.3
0°-40°	915.1	81.2
0°-60°	1040.7	92.3
0°-90°	1127.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1268	
5°	1225	116
15°	1140	317
25°	750	349
35°	170	133
45°	82	63
55°	70	63
65°	51	50
75°	27	29
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1267.6
2.5°	1254.4
5°	1225.3
7.5°	1201.0
10°	1177.5
12.5°	1157.7
15°	1139.8
17.5°	1096.6
20°	1035.4
22.5°	903.4
25°	750.2
27.5°	653.1
30°	506.8
32.5°	327.3
35°	169.8
37.5°	91.7
40°	83.5
42.5°	82.9
45°	82.1
47.5°	80.3
50°	77.3
52.5°	73.9
55°	70.2
57.5°	66.2
60°	61.6
62.5°	56.4
65°	51.0
67.5°	45.0
70°	38.9
72.5°	32.9
75°	27.3
77.5°	21.5
80°	16.3
82.5°	11.4
85°	6.6
87.5°	2.6
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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