

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P788002

Luminaire Tested: LER6D05D010-EC6DR600210IC9030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR600210IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1047.5 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

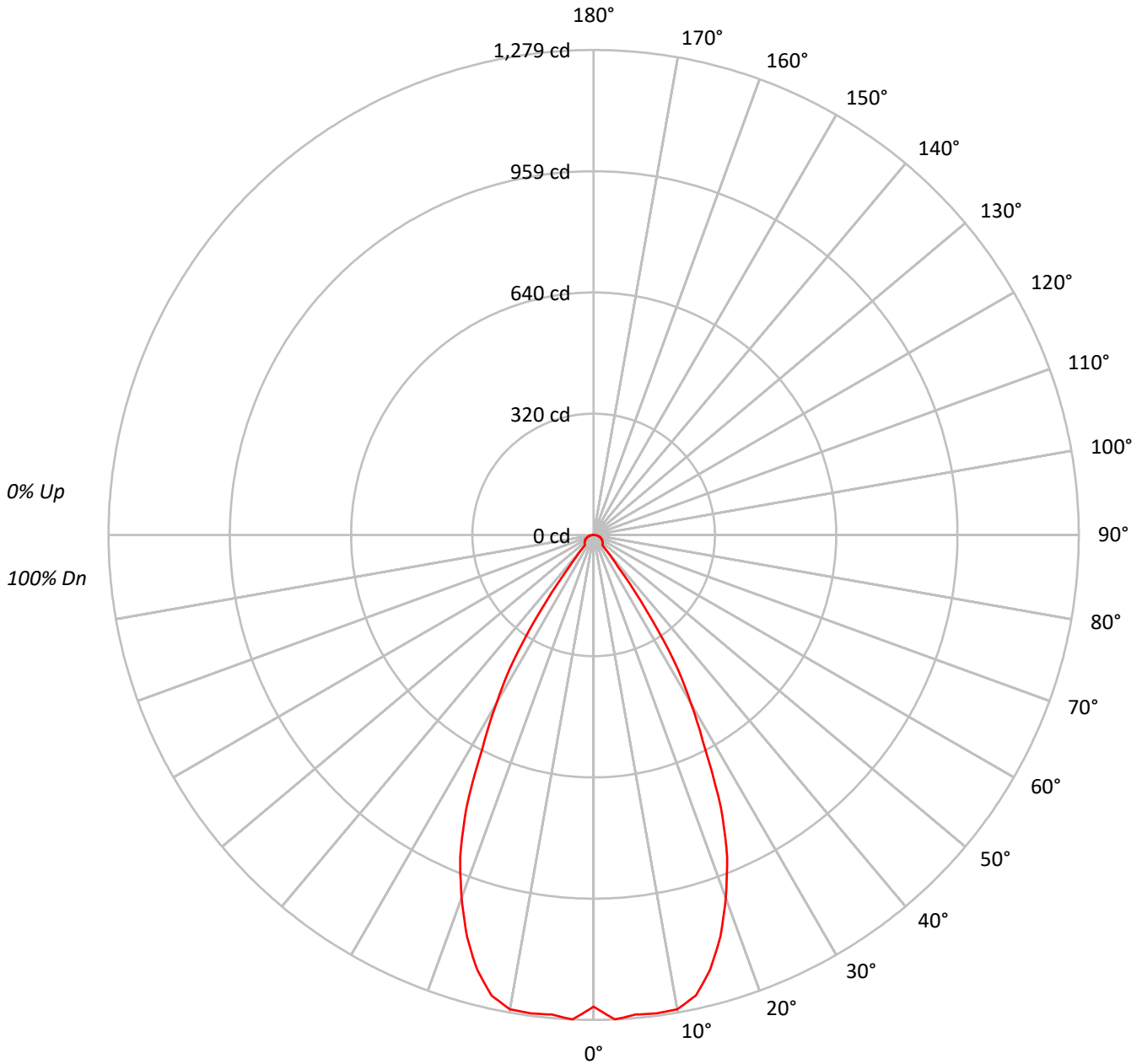
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135920
5°	139258
10°	140946
15°	134268
20°	118377
25°	95745
30°	64772
35°	32452
40°	5263
45°	5145
50°	5252
55°	5334
60°	5485
65°	5610
70°	5750
75°	5826
80°	5600
85°	4638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 5826 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	11.6
10°-20°	328.3	31.3
20°-30°	353.3	33.7
30°-40°	153.6	14.7
40°-50°	25.8	2.5
50°-60°	25.1	2.4
60°-70°	21.5	2.0
70°-80°	14.4	1.4
80°-90°	4.3	0.4
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°	802.9	76.7
0°-40°	956.5	91.3
0°-60°	1007.4	96.2
0°-90°	1047.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1047.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1244	
5°	1270	121
15°	1187	328
25°	794	353
35°	243	154
45°	33	26
55°	28	25
65°	22	21
75°	14	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1244.0
2.5°	1279.0
5°	1269.7
7.5°	1272.6
10°	1270.4
12.5°	1244.1
15°	1187.0
17.5°	1110.3
20°	1018.1
22.5°	919.6
25°	794.2
27.5°	635.3
30°	513.4
32.5°	395.7
35°	243.3
37.5°	104.1
40°	36.9
42.5°	34.0
45°	33.3
47.5°	32.2
50°	30.9
52.5°	29.5
55°	28.0
57.5°	26.6
60°	25.1
62.5°	23.5
65°	21.7
67.5°	19.9
70°	18.0
72.5°	15.9
75°	13.8
77.5°	11.3
80°	8.9
82.5°	6.3
85°	3.7
87.5°	1.3
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)