

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: P787471

Luminaire Tested: LER6D02D010-EC6DR700210IC9030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P787471
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: LER6D02D010-EC6DR700210IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 371.5 lumens
Efficiency: N/A
Efficacy: 72.8 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): 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

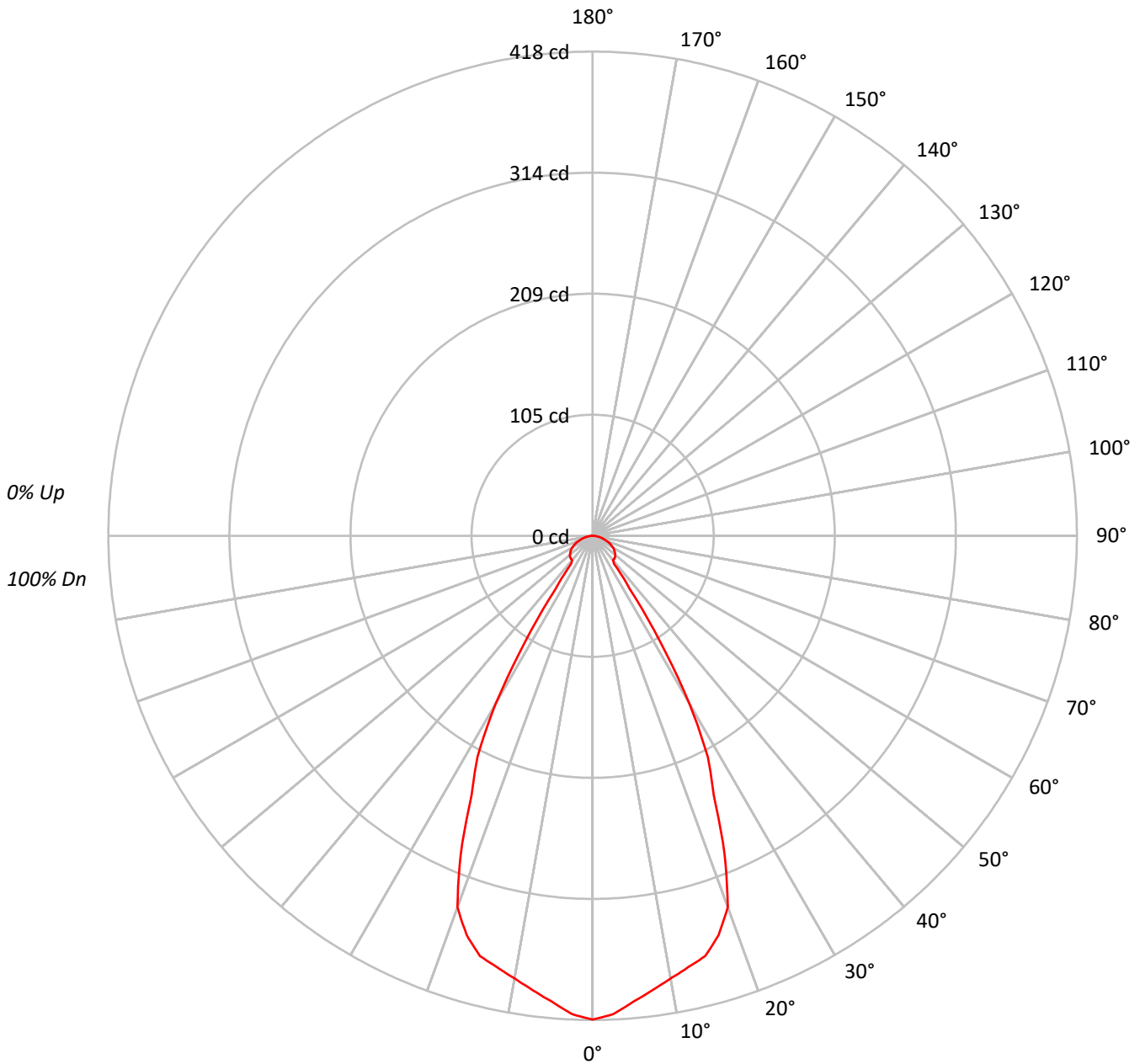


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	45638
5°	44288
10°	43047
15°	42486
20°	39672
25°	29801
30°	21069
35°	7456
40°	3922
45°	4172
50°	4334
55°	4400
60°	4436
65°	4343
70°	4089
75°	3799
80°	3398
85°	2758

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 4436 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	10.2
10°-20°	104.5	28.1
20°-30°	115.0	31.0
30°-40°	43.9	11.8
40°-50°	20.8	5.6
50°-60°	20.6	5.5
60°-70°	16.5	4.4
70°-80°	9.5	2.6
80°-90°	2.6	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°	257.6	69.3
0°-40°	301.5	81.2
0°-60°	342.9	92.3
0°-90°	371.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	371.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	418	
5°	404	38
15°	376	104
25°	247	115
35°	56	44
45°	27	21
55°	23	21
65°	17	17
75°	9	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	417.7
2.5°	413.3
5°	403.8
7.5°	395.7
10°	388.0
12.5°	381.5
15°	375.6
17.5°	361.4
20°	341.2
22.5°	297.7
25°	247.2
27.5°	215.2
30°	167.0
32.5°	107.9
35°	55.9
37.5°	30.2
40°	27.5
42.5°	27.3
45°	27.0
47.5°	26.5
50°	25.5
52.5°	24.3
55°	23.1
57.5°	21.8
60°	20.3
62.5°	18.6
65°	16.8
67.5°	14.8
70°	12.8
72.5°	10.8
75°	9.0
77.5°	7.1
80°	5.4
82.5°	3.8
85°	2.2
87.5°	0.9
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)