

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: P787999

Luminaire Tested: LER6D05D010-EC6DR600210IC9030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P787999
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-EC6DR600210IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 910.8 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

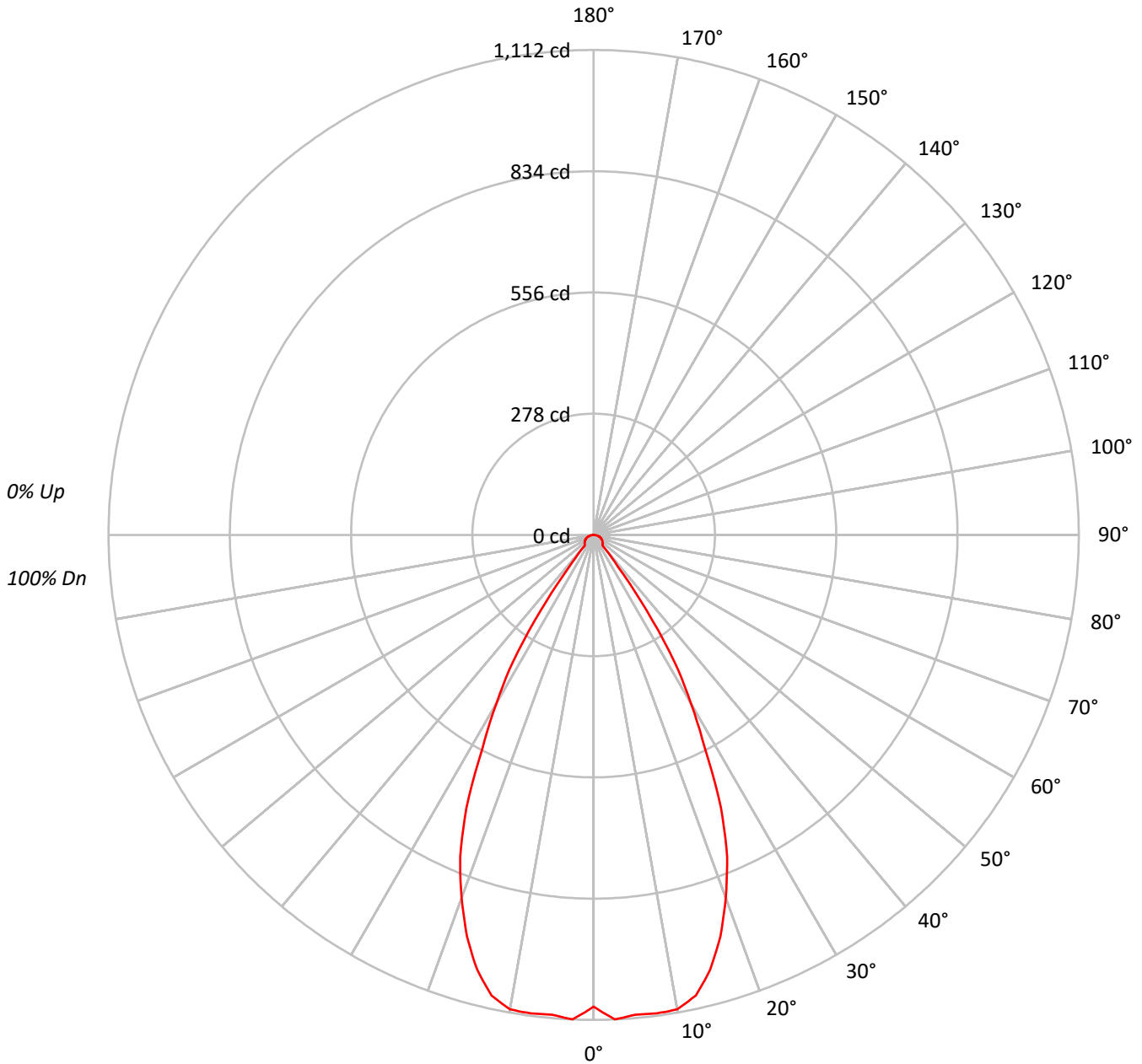


Downlight

TEST NUMBER: P787999

CATALOG NUMBER: LER6D05D010-EC6DR600210IC9030-6LBDP1B

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	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	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°	118187
5°	121096
10°	122562
15°	116757
20°	102936
25°	83256
30°	56319
35°	28224
40°	4578
45°	4481
50°	4572
55°	4648
60°	4764
65°	4886
70°	4984
75°	5066
80°	4845
85°	4012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 5066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	11.6
10°-20°	285.5	31.3
20°-30°	307.2	33.7
30°-40°	133.5	14.7
40°-50°	22.4	2.5
50°-60°	21.8	2.4
60°-70°	18.6	2.0
70°-80°	12.5	1.4
80°-90°	3.7	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°	698.2	76.7
0°-40°	831.7	91.3
0°-60°	876.0	96.2
0°-90°	910.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1082	
5°	1104	106
15°	1032	286
25°	691	307
35°	212	134
45°	29	22
55°	24	22
65°	19	19
75°	12	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1081.7
2.5°	1112.1
5°	1104.1
7.5°	1106.6
10°	1104.7
12.5°	1081.9
15°	1032.2
17.5°	965.4
20°	885.3
22.5°	799.6
25°	690.6
27.5°	552.4
30°	446.4
32.5°	344.1
35°	211.6
37.5°	90.5
40°	32.1
42.5°	29.6
45°	29.0
47.5°	28.0
50°	26.9
52.5°	25.6
55°	24.4
57.5°	23.1
60°	21.8
62.5°	20.4
65°	18.9
67.5°	17.3
70°	15.6
72.5°	13.8
75°	12.0
77.5°	9.9
80°	7.7
82.5°	5.5
85°	3.2
87.5°	1.1
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)