

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: P788737

Luminaire Tested: LER6D08D010-EC6DR700210IC9040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788737
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: LER6D08D010-EC6DR700210IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1560.2 lumens
Efficiency: N/A
Efficacy: 175.3 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): 8.9
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

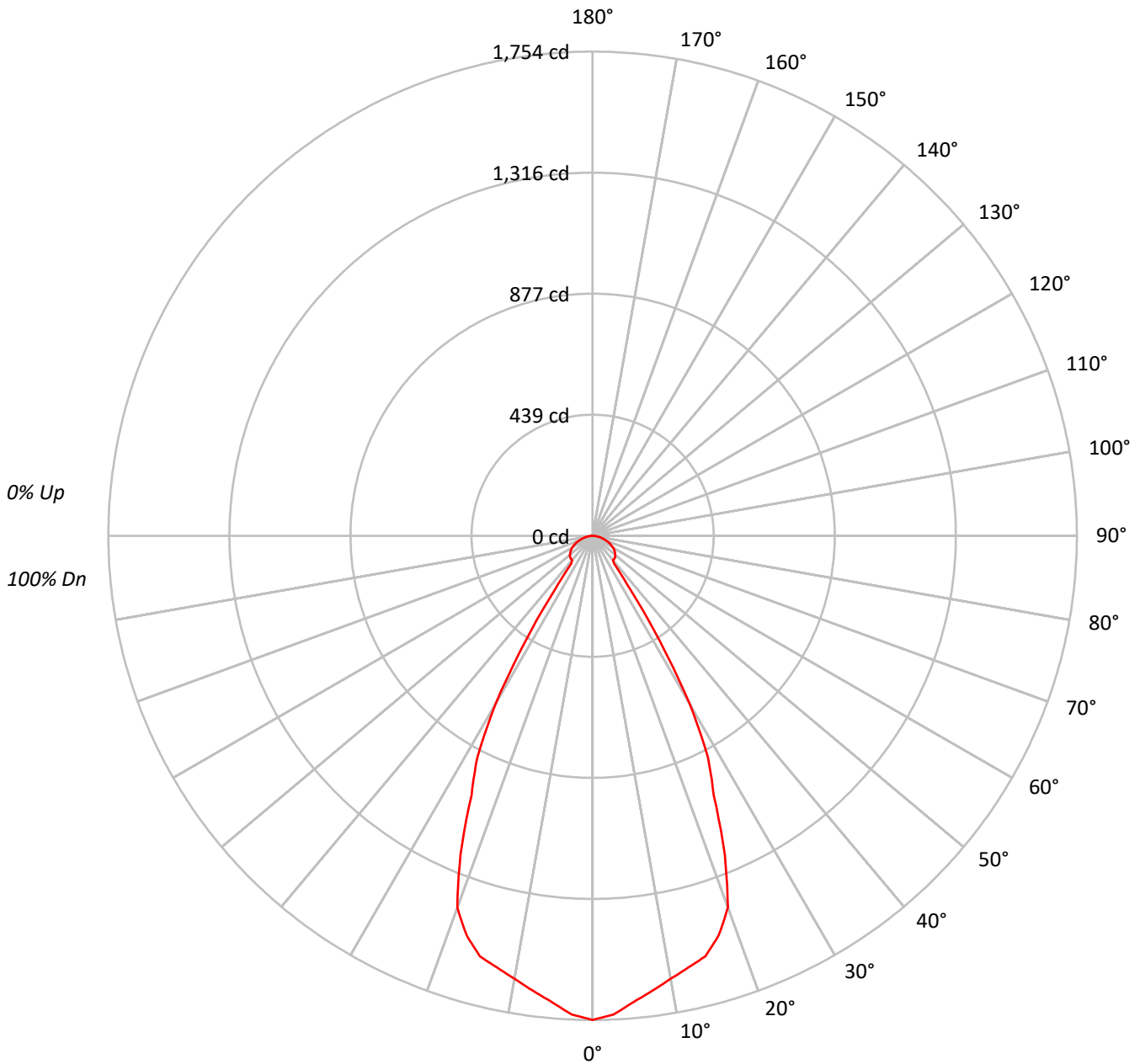


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191654
5°	185959
10°	180776
15°	178405
20°	166596
25°	125149
30°	88478
35°	31345
40°	16474
45°	17553
50°	18171
55°	18516
60°	18640
65°	18227
70°	17219
75°	15957
80°	14157
85°	11533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 18640 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	10.3
10°-20°	438.7	28.1
20°-30°	483.1	31.0
30°-40°	184.6	11.8
40°-50°	87.2	5.6
50°-60°	86.6	5.6
60°-70°	69.4	4.4
70°-80°	39.9	2.6
80°-90°	10.8	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°	1081.7	69.3
0°-40°	1266.3	81.2
0°-60°	1440.1	92.3
0°-90°	1560.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1560.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1754	
5°	1696	160
15°	1577	439
25°	1038	483
35°	235	185
45°	114	87
55°	97	87
65°	70	69
75°	38	40
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1754.1
2.5°	1735.8
5°	1695.5
7.5°	1661.9
10°	1629.4
12.5°	1601.9
15°	1577.2
17.5°	1517.5
20°	1432.8
22.5°	1250.0
25°	1038.1
27.5°	903.7
30°	701.3
32.5°	453.0
35°	235.0
37.5°	126.9
40°	115.5
42.5°	114.7
45°	113.6
47.5°	111.1
50°	106.9
52.5°	102.2
55°	97.2
57.5°	91.6
60°	85.3
62.5°	78.0
65°	70.5
67.5°	62.2
70°	53.9
72.5°	45.5
75°	37.8
77.5°	29.7
80°	22.5
82.5°	15.8
85°	9.2
87.5°	3.6
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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(END OF REPORT)