

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: P794623

Luminaire Tested: LER6D60D010-EC6DR7055659040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794623
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: LER6D60D010-EC6DR7055659040-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4447.9 lumens
Efficiency: N/A
Efficacy: 69.1 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

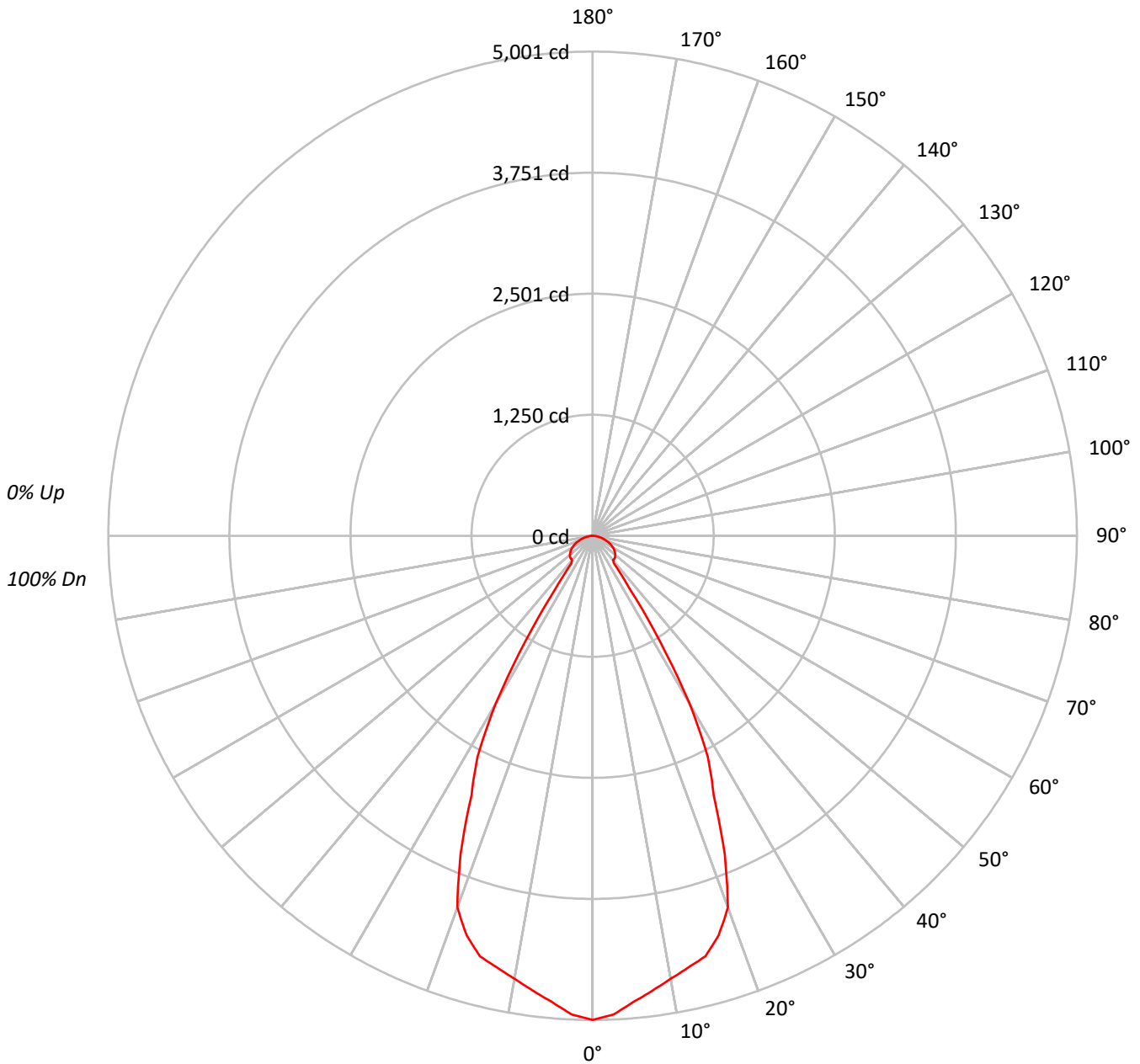
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	546391
5°	530151
10°	515379
15°	508611
20°	474940
25°	356797
30°	252226
35°	89340
40°	46982
45°	50033
50°	51810
55°	52785
60°	53123
65°	51991
70°	49069
75°	45466
80°	40332
85°	32720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 53136 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.9	10.3
10°-20°	1250.6	28.1
20°-30°	1377.3	31.0
30°-40°	526.2	11.8
40°-50°	248.5	5.6
50°-60°	247.0	5.6
60°-70°	197.8	4.4
70°-80°	113.7	2.6
80°-90°	30.9	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°	3083.8	69.3
0°-40°	3610.1	81.2
0°-60°	4105.6	92.3
0°-90°	4447.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4447.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5001	
5°	4834	456
15°	4496	1251
25°	2960	1377
35°	670	526
45°	324	248
55°	277	247
65°	201	198
75°	108	114
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5000.8
2.5°	4948.5
5°	4833.7
7.5°	4737.9
10°	4645.3
12.5°	4566.9
15°	4496.4
17.5°	4326.2
20°	4084.7
22.5°	3563.7
25°	2959.6
27.5°	2576.4
30°	1999.2
32.5°	1291.4
35°	669.8
37.5°	361.8
40°	329.4
42.5°	327.0
45°	323.8
47.5°	316.7
50°	304.8
52.5°	291.4
55°	277.1
57.5°	261.3
60°	243.1
62.5°	222.5
65°	201.1
67.5°	177.4
70°	153.6
72.5°	129.8
75°	107.7
77.5°	84.7
80°	64.1
82.5°	45.1
85°	26.1
87.5°	10.3
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)