

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: P794528

Luminaire Tested: LER6D60D010-EC6DR6055659040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794528
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: LER6D60D010-EC6DR6055659040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7595.0 lumens
Efficiency: N/A
Efficacy: 117.9 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

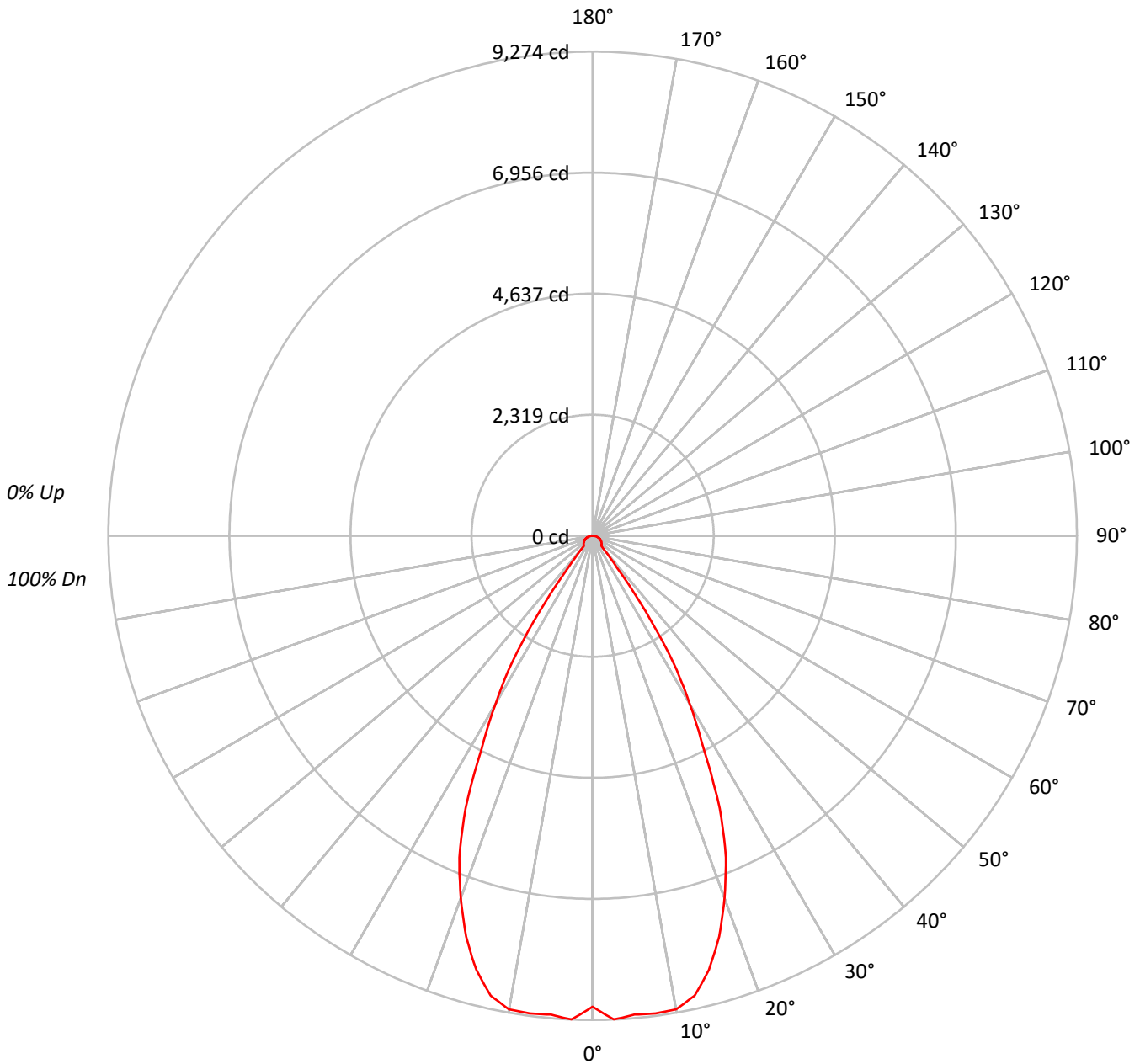
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	985543
5°	1009773
10°	1021971
15°	973570
20°	858384
25°	694281
30°	469631
35°	235327
40°	38168
45°	37362
50°	38109
55°	38689
60°	39771
65°	40667
70°	41625
75°	42131
80°	40647
85°	33848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 42131 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	879.9	11.6
10°-20°	2380.7	31.3
20°-30°	2561.4	33.7
30°-40°	1113.4	14.7
40°-50°	187.0	2.5
50°-60°	181.8	2.4
60°-70°	155.5	2.0
70°-80°	104.1	1.4
80°-90°	31.1	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°	5822.1	76.7
0°-40°	6935.5	91.3
0°-60°	7304.3	96.2
0°-90°	7595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9020	
5°	9207	880
15°	8607	2381
25°	5759	2561
35°	1764	1113
45°	242	187
55°	203	182
65°	157	156
75°	100	104
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9020.1
2.5°	9273.6
5°	9206.7
7.5°	9227.8
10°	9211.4
12.5°	9021.2
15°	8606.9
17.5°	8050.4
20°	7382.5
22.5°	6667.6
25°	5759.0
27.5°	4606.3
30°	3722.4
32.5°	2869.0
35°	1764.3
37.5°	754.8
40°	267.6
42.5°	246.5
45°	241.8
47.5°	233.6
50°	224.2
52.5°	213.6
55°	203.1
57.5°	192.5
60°	182.0
62.5°	170.2
65°	157.3
67.5°	144.4
70°	130.3
72.5°	115.0
75°	99.8
77.5°	82.2
80°	64.6
82.5°	45.8
85°	27.0
87.5°	9.4
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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