

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: P769207

Luminaire Tested: LD6D60D010-EU6DR6055659030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769207
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: LD6D60D010-EU6DR6055659030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7180.2 lumens
Efficiency: N/A
Efficacy: 111.5 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

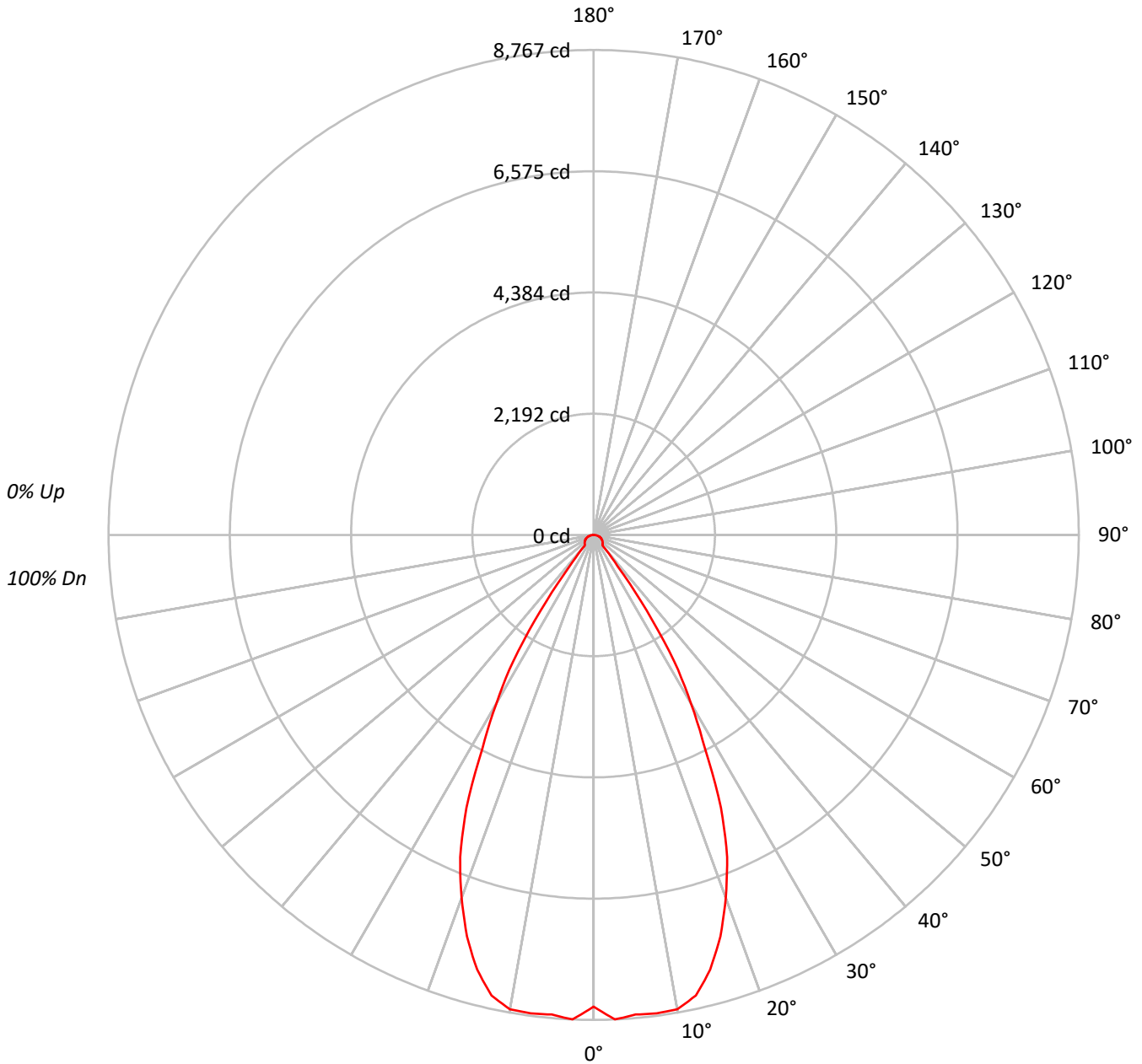
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	931710
5°	954616
10°	966153
15°	920383
20°	811503
25°	656367
30°	443969
35°	222482
40°	36085
45°	35323
50°	36036
55°	36574
60°	37586
65°	38444
70°	39357
75°	39809
80°	38382
85°	31967

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 39809 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	831.9	11.6
10°-20°	2250.7	31.3
20°-30°	2421.5	33.7
30°-40°	1052.6	14.7
40°-50°	176.8	2.5
50°-60°	171.9	2.4
60°-70°	147.0	2.0
70°-80°	98.4	1.4
80°-90°	29.4	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°	5504.1	76.7
0°-40°	6556.7	91.3
0°-60°	6905.3	96.2
0°-90°	7180.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7180.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8527	
5°	8704	832
15°	8137	2251
25°	5444	2422
35°	1668	1053
45°	229	177
55°	192	172
65°	149	147
75°	94	98
85°	26	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8527.4
2.5°	8767.1
5°	8703.8
7.5°	8723.8
10°	8708.3
12.5°	8528.5
15°	8136.7
17.5°	7610.7
20°	6979.3
22.5°	6303.4
25°	5444.5
27.5°	4354.7
30°	3519.0
32.5°	2712.2
35°	1668.0
37.5°	713.6
40°	253.0
42.5°	233.0
45°	228.6
47.5°	220.8
50°	212.0
52.5°	202.0
55°	192.0
57.5°	182.0
60°	172.0
62.5°	160.9
65°	148.7
67.5°	136.5
70°	123.2
72.5°	108.8
75°	94.3
77.5°	77.7
80°	61.0
82.5°	43.3
85°	25.5
87.5°	8.9
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)