

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: P769402

Luminaire Tested: LD6D60D010-EU6DR7055659050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769402
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: LD6D60D010-EU6DR7055659050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7699.4 lumens
Efficiency: N/A
Efficacy: 119.6 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

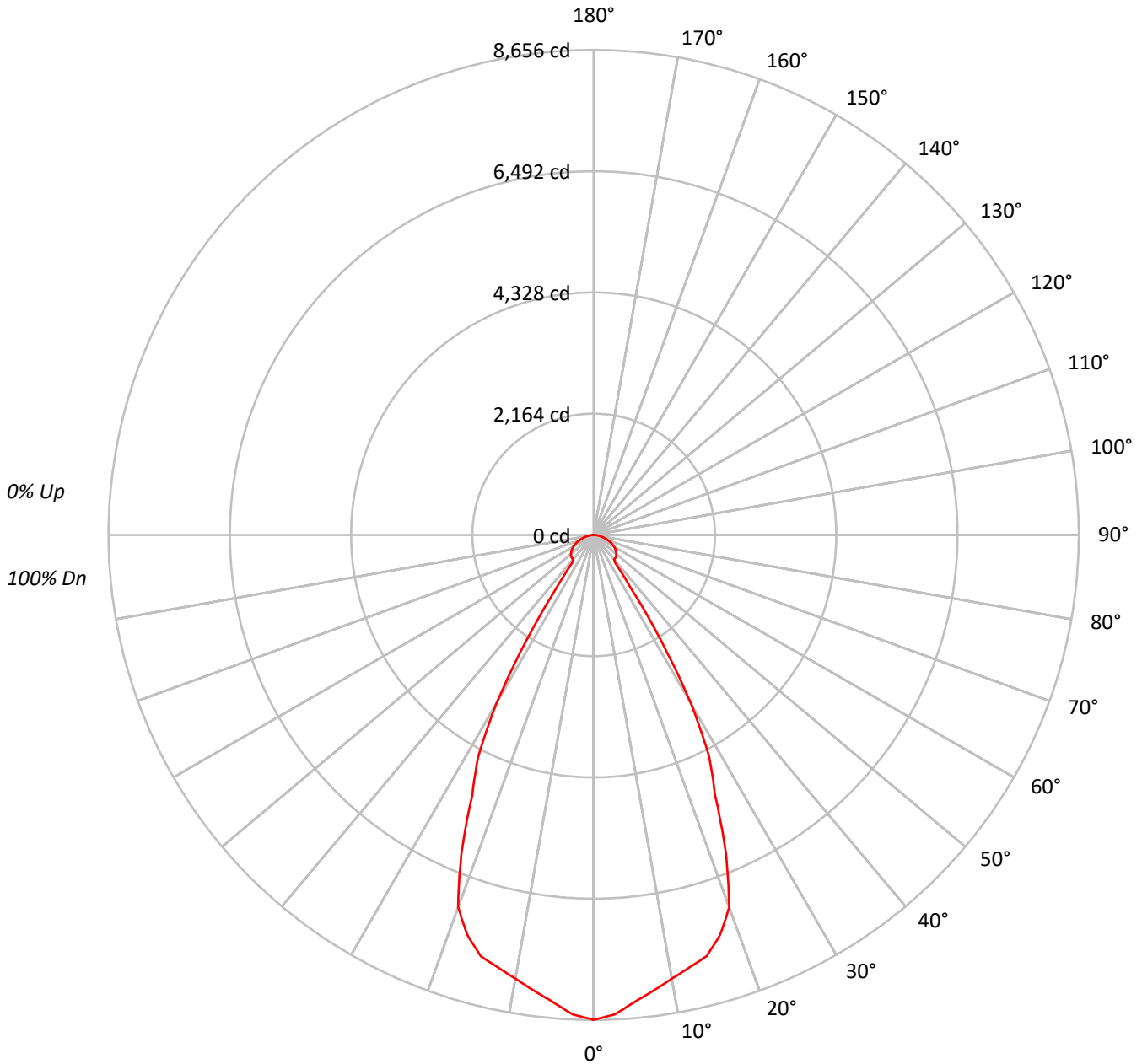
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	945805
5°	917699
10°	892119
15°	880420
20°	822131
25°	617620
30°	436601
35°	154657
40°	81313
45°	86623
50°	89698
55°	91378
60°	91954
65°	89995
70°	84944
75°	78689
80°	69842
85°	56664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 91976 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.2	10.3
10°-20°	2164.8	28.1
20°-30°	2384.2	31.0
30°-40°	910.9	11.8
40°-50°	430.1	5.6
50°-60°	427.6	5.6
60°-70°	342.4	4.4
70°-80°	196.8	2.6
80°-90°	53.5	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°	5338.2	69.3
0°-40°	6249.1	81.2
0°-60°	7106.8	92.3
0°-90°	7699.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7699.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8656	
5°	8367	789
15°	7783	2165
25°	5123	2384
35°	1160	911
45°	561	430
55°	480	428
65°	348	342
75°	186	197
85°	45	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8656.4
2.5°	8565.9
5°	8367.2
7.5°	8201.4
10°	8041.0
12.5°	7905.3
15°	7783.4
17.5°	7488.7
20°	7070.7
22.5°	6168.8
25°	5123.1
27.5°	4459.8
30°	3460.6
32.5°	2235.4
35°	1159.5
37.5°	626.3
40°	570.1
42.5°	566.0
45°	560.6
47.5°	548.2
50°	527.7
52.5°	504.4
55°	479.7
57.5°	452.3
60°	420.8
62.5°	385.1
65°	348.1
67.5°	307.0
70°	265.9
72.5°	224.8
75°	186.4
77.5°	146.6
80°	111.0
82.5°	78.1
85°	45.2
87.5°	17.8
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)