

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: P770936

Luminaire Tested: LD6D70BD010-EU6DR7070959035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770936
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: LD6D70BD010-EU6DR7070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8233.5 lumens
Efficiency: N/A
Efficacy: 123.6 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

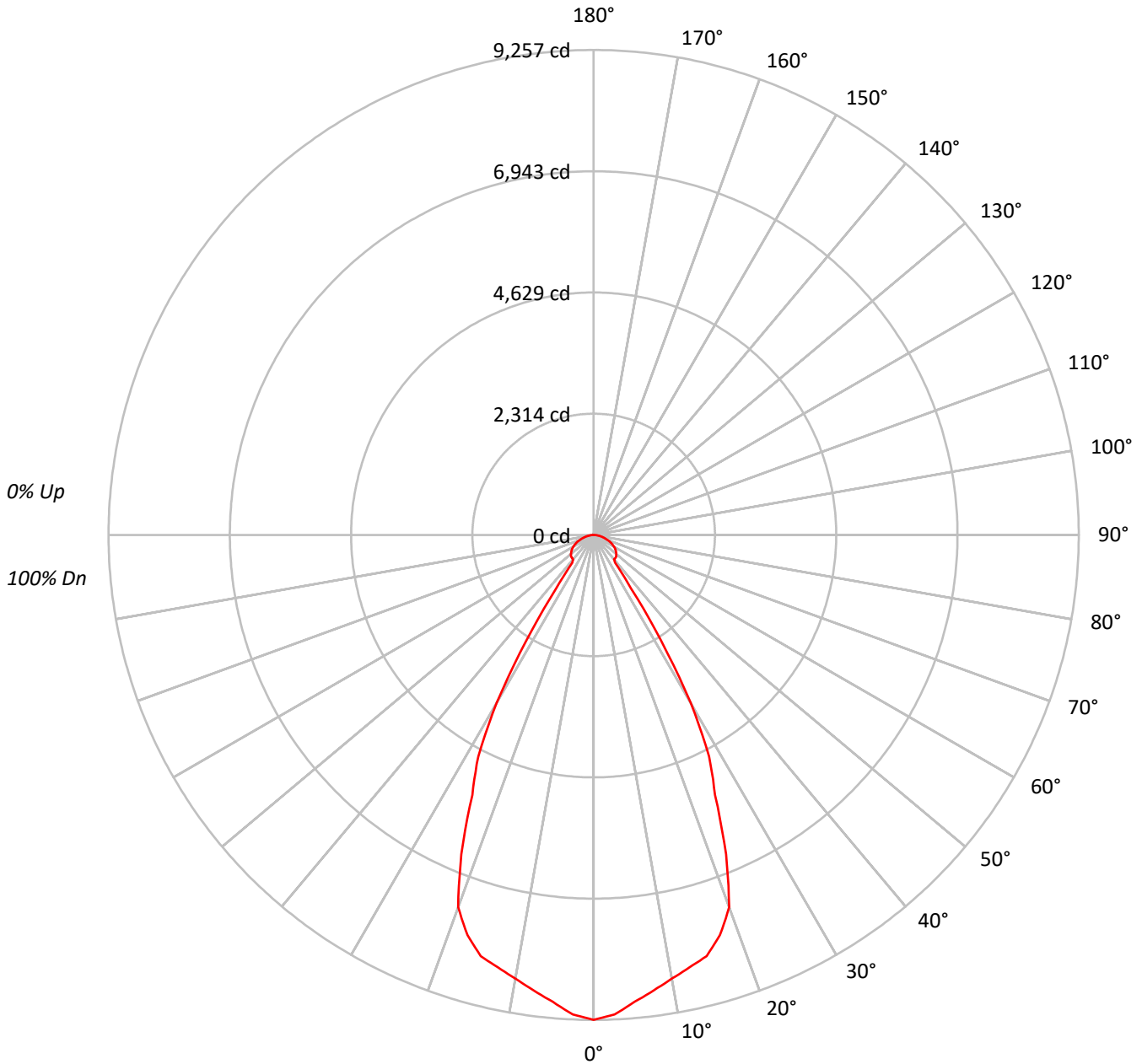
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1011405
5°	981356
10°	954005
15°	941479
20°	879151
25°	660466
30°	466893
35°	165381
40°	86961
45°	92618
50°	95919
55°	97722
60°	98313
65°	96252
70°	90822
75°	84135
80°	74687
85°	60676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 98361 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	843.9	10.3
10°-20°	2314.9	28.1
20°-30°	2549.6	31.0
30°-40°	974.1	11.8
40°-50°	459.9	5.6
50°-60°	457.3	5.6
60°-70°	366.1	4.4
70°-80°	210.4	2.6
80°-90°	57.2	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°	5708.4	69.3
0°-40°	6682.5	81.2
0°-60°	7599.8	92.3
0°-90°	8233.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8233.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9257	
5°	8948	844
15°	8323	2315
25°	5478	2550
35°	1240	974
45°	599	460
55°	513	457
65°	372	366
75°	199	210
85°	48	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9256.8
2.5°	9160.1
5°	8947.6
7.5°	8770.2
10°	8598.8
12.5°	8453.7
15°	8323.2
17.5°	8008.1
20°	7561.1
22.5°	6596.7
25°	5478.5
27.5°	4769.1
30°	3700.7
32.5°	2390.4
35°	1239.9
37.5°	669.8
40°	609.7
42.5°	605.3
45°	599.4
47.5°	586.2
50°	564.3
52.5°	539.3
55°	513.0
57.5°	483.7
60°	449.9
62.5°	411.8
65°	372.3
67.5°	328.3
70°	284.3
72.5°	240.4
75°	199.3
77.5°	156.8
80°	118.7
82.5°	83.5
85°	48.4
87.5°	19.1
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)