

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: P770792

Luminaire Tested: LD6D70BD010-EU6DR6070959040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770792
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: LD6D70BD010-EU6DR6070959040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6742.5 lumens
Efficiency: N/A
Efficacy: 101.2 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

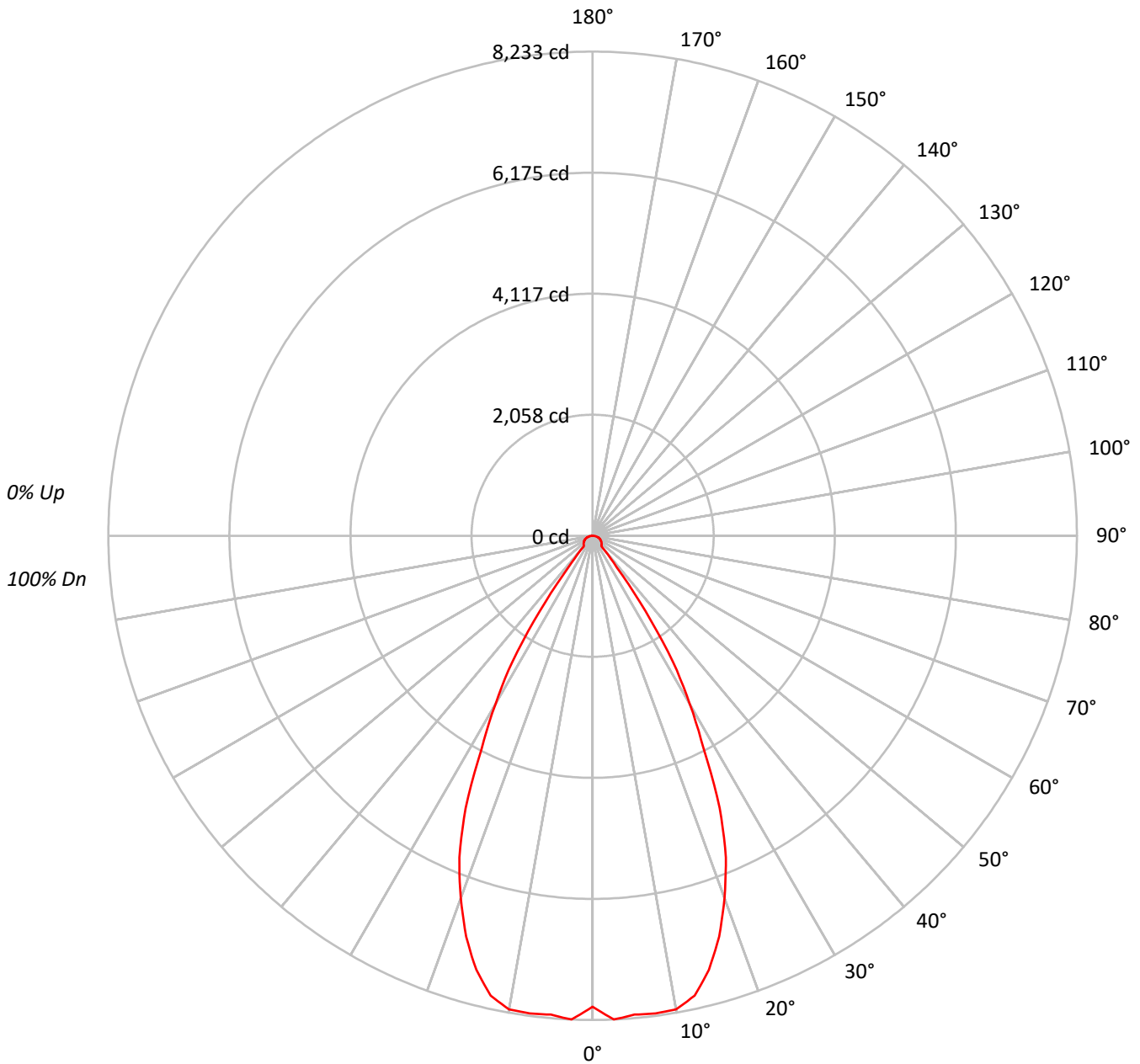
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	874927
5°	896443
10°	907263
15°	864290
20°	762041
25°	616366
30°	416920
35°	208917
40°	33889
45°	33175
50°	33826
55°	34345
60°	35291
65°	36091
70°	36961
75°	37403
80°	36054
85°	30087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 37403 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.2	11.6
10°-20°	2113.5	31.3
20°-30°	2274.0	33.7
30°-40°	988.4	14.7
40°-50°	166.0	2.5
50°-60°	161.4	2.4
60°-70°	138.1	2.0
70°-80°	92.4	1.4
80°-90°	27.6	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°	5168.6	76.7
0°-40°	6157.1	91.3
0°-60°	6484.5	96.2
0°-90°	6742.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6742.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8008	
5°	8173	781
15°	7641	2113
25°	5113	2274
35°	1566	988
45°	215	166
55°	180	161
65°	140	138
75°	89	92
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8007.7
2.5°	8232.8
5°	8173.4
7.5°	8192.1
10°	8177.5
12.5°	8008.7
15°	7640.8
17.5°	7146.9
20°	6553.9
22.5°	5919.3
25°	5112.7
27.5°	4089.3
30°	3304.6
32.5°	2546.9
35°	1566.3
37.5°	670.1
40°	237.6
42.5°	218.8
45°	214.7
47.5°	207.4
50°	199.0
52.5°	189.7
55°	180.3
57.5°	170.9
60°	161.5
62.5°	151.1
65°	139.6
67.5°	128.2
70°	115.7
72.5°	102.1
75°	88.6
77.5°	72.9
80°	57.3
82.5°	40.6
85°	24.0
87.5°	8.3
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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