

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: P770794

Luminaire Tested: LD6D70BD010-EU6DR6070959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770794
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-EU6DR6070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 8990.4 lumens
Efficiency: N/A
Efficacy: 135.0 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

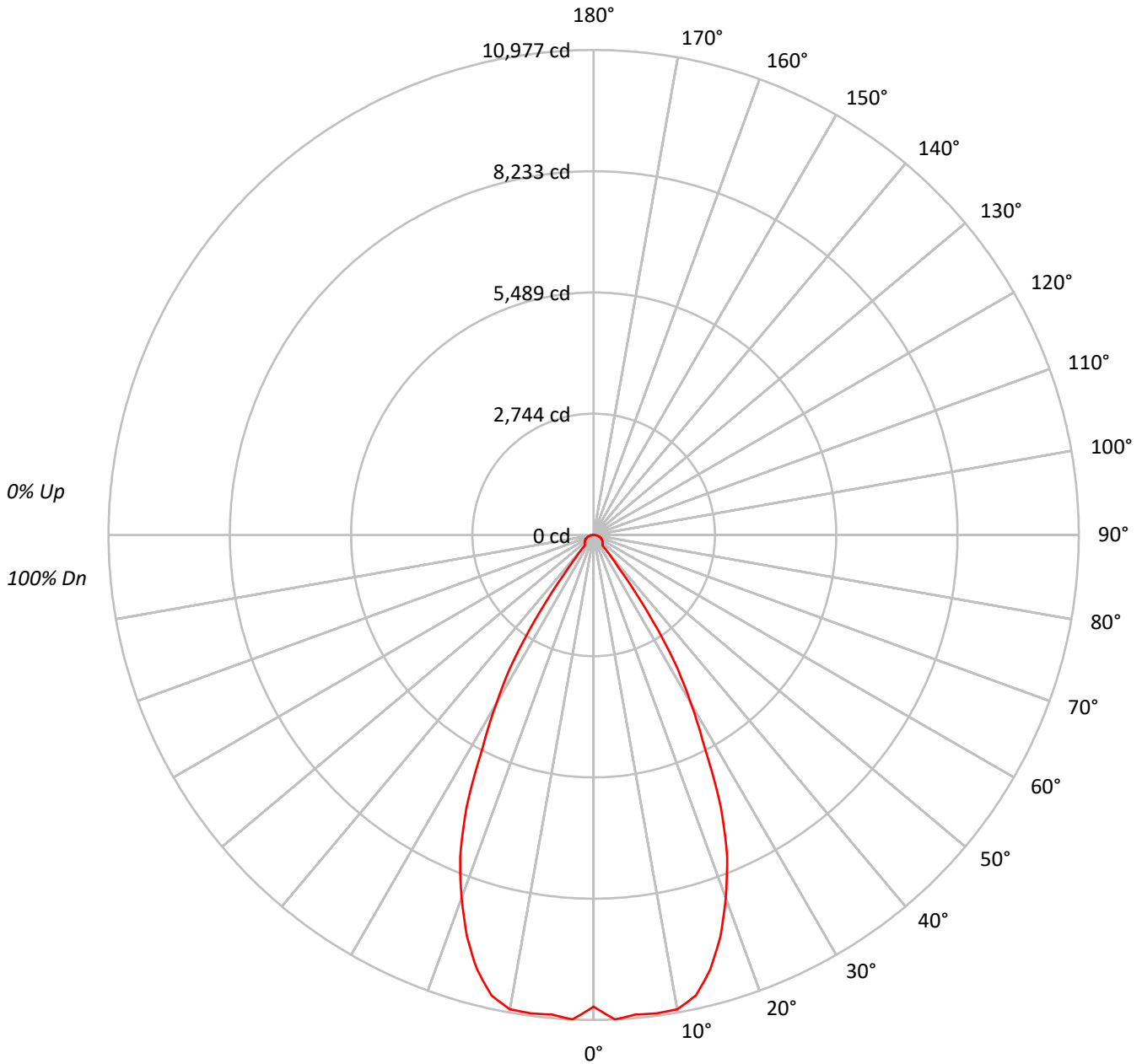
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
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°	1166599
5°	1195294
10°	1209725
15°	1152428
20°	1016085
25°	821842
30°	555901
35°	278570
40°	45185
45°	44223
50°	45113
55°	45794
60°	47070
65°	48139
70°	49260
75°	49856
80°	48071
85°	40116

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 49856 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1041.6	11.6
10°-20°	2818.1	31.3
20°-30°	3032.0	33.7
30°-40°	1318.0	14.7
40°-50°	221.3	2.5
50°-60°	215.2	2.4
60°-70°	184.1	2.0
70°-80°	123.2	1.4
80°-90°	36.9	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°	6891.7	76.7
0°-40°	8209.7	91.3
0°-60°	8646.3	96.2
0°-90°	8990.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8990.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10677	
5°	10898	###
15°	10188	2818
25°	6817	3032
35°	2088	1318
45°	286	221
55°	240	215
65°	186	184
75°	118	123
85°	32	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10677.2
2.5°	10977.4
5°	10898.2
7.5°	10923.2
10°	10903.7
12.5°	10678.6
15°	10188.1
17.5°	9529.5
20°	8738.8
22.5°	7892.6
25°	6817.1
27.5°	5452.6
30°	4406.2
32.5°	3396.0
35°	2088.5
37.5°	893.5
40°	316.8
42.5°	291.8
45°	286.2
47.5°	276.5
50°	265.4
52.5°	252.9
55°	240.4
57.5°	227.9
60°	215.4
62.5°	201.5
65°	186.2
67.5°	170.9
70°	154.2
72.5°	136.2
75°	118.1
77.5°	97.3
80°	76.4
82.5°	54.2
85°	32.0
87.5°	11.1
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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