

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: P770285

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR3070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6159.8 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

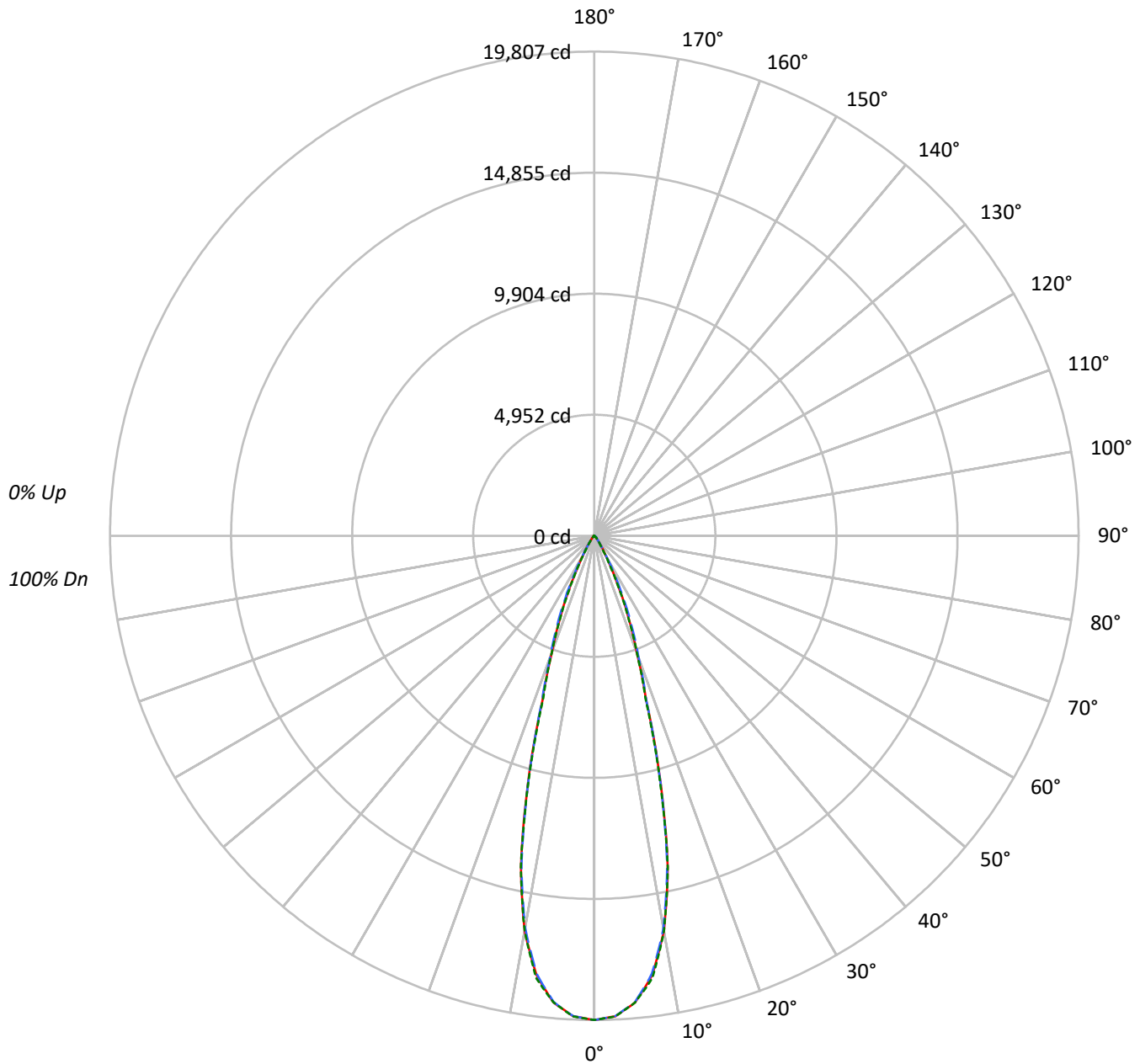


Downlight

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1516080	1516080	1516080
5°	1472558	1470837	1472635
10°	1275454	1266461	1275159
15°	832176	827707	823539
20°	413804	429329	413250
25°	208447	235050	204173
30°	83453	90930	72714
35°	38713	37078	31079
40°	16717	18555	15737
45°	11788	14635	11897
50°	4049	10658	4287
55°	2335	4417	2469
60°	1638	1929	1638
65°	1050	1050	1050
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14635 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1741.7	28.3
10°-20°	2805.0	45.5
20°-30°	1212.1	19.7
30°-40°	276.3	4.5
40°-50°	94.9	1.5
50°-60°	23.2	0.4
60°-70°	6.0	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	5758.9	93.5
0°-40°	6035.2	98.0
0°-60°	6153.2	99.9
0°-90°	6159.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6159.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19807	19807	19807	19807	19807	
5°	19165	19146	19143	19182	19166	1743
15°	10502	10375	10445	10411	10392	2812
25°	2468	2561	2783	2496	2418	1181
35°	414	423	397	394	333	281
45°	109	135	135	135	110	77
55°	18	18	33	19	18	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19806.8	19806.8	19806.8	19806.8	19806.8
2.5°	19675.5	19661.9	19669.7	19679.4	19683.3
5°	19165.0	19146.5	19142.6	19182.5	19166.0
7.5°	18135.2	18108.9	18069.0	18159.5	18244.1
10°	16410.0	16380.9	16294.3	16337.1	16406.2
12.5°	13863.2	13768.9	13766.9	13903.1	13884.6
15°	10501.5	10375.0	10445.1	10411.0	10392.5
17.5°	7061.9	7013.3	7106.6	7078.4	6956.9
20°	5080.1	5092.7	5270.7	5181.2	5073.3
22.5°	3707.0	3752.7	3963.7	3733.2	3648.6
25°	2468.1	2561.4	2783.1	2496.3	2417.5
27.5°	1518.0	1560.8	1785.4	1498.5	1455.8
30°	944.2	922.9	1028.8	883.0	822.7
32.5°	619.4	592.2	626.3	562.1	513.5
35°	414.3	423.0	396.8	393.8	332.6
37.5°	258.7	297.6	262.6	280.1	213.9
40°	167.3	215.9	185.7	205.2	157.5
42.5°	137.1	166.3	152.7	162.4	140.0
45°	108.9	135.2	135.2	135.2	109.9
47.5°	60.3	90.4	115.7	92.4	64.2
50°	34.0	45.7	89.5	47.6	36.0
52.5°	23.3	26.3	61.3	27.2	24.3
55°	17.5	18.5	33.1	19.4	18.5
57.5°	13.6	14.6	17.5	14.6	13.6
60°	10.7	10.7	12.6	11.7	10.7
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.8	5.8	5.8	5.8	5.8
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)