

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: P771732

Luminaire Tested: LD6D75BD010-EU6DR7070959040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR7070959040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8925.2 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): 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

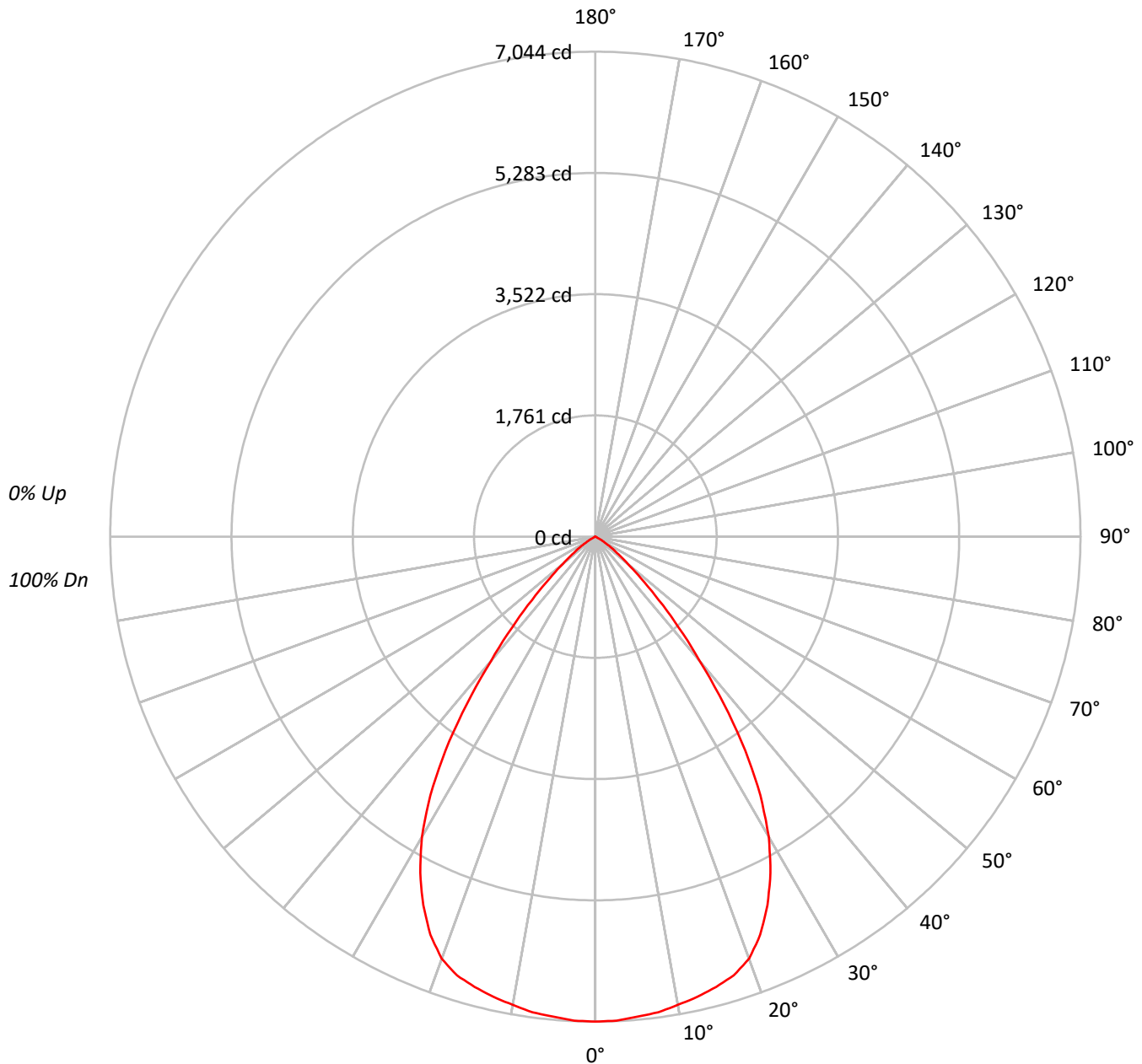


Downlight

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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	769687
5°	767769
10°	766106
15°	765891
20°	758401
25°	712425
30°	635119
35°	506388
40°	336250
45°	201028
50°	104214
55°	54785
60°	19383
65°	336
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 201028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.7	7.5
10°-20°	1909.3	21.4
20°-30°	2693.4	30.2
30°-40°	2325.2	26.1
40°-50°	1041.3	11.7
50°-60°	272.6	3.1
60°-70°	17.8	0.2
70°-80°	0.0	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°	5268.4	59.0
0°-40°	7593.6	85.1
0°-60°	8907.4	99.8
0°-90°	8925.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8925.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7044	
5°	7000	666
15°	6771	1909
25°	5910	2693
35°	3796	2325
45°	1301	1041
55°	288	273
65°	1	18
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7044.5
2.5°	7036.9
5°	7000.2
7.5°	6969.8
10°	6905.2
12.5°	6846.9
15°	6770.9
17.5°	6683.5
20°	6522.6
22.5°	6257.8
25°	5909.5
27.5°	5505.4
30°	5034.1
32.5°	4457.8
35°	3796.5
37.5°	3066.9
40°	2357.5
42.5°	1791.2
45°	1301.0
47.5°	896.9
50°	613.1
52.5°	423.1
55°	287.6
57.5°	173.5
60°	88.7
62.5°	27.9
65°	1.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)