

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: P770781

Luminaire Tested: LD6D70BD010-EU6DR6070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770781
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-EU6DR6070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8588.9 lumens
Efficiency: N/A
Efficacy: 129.0 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

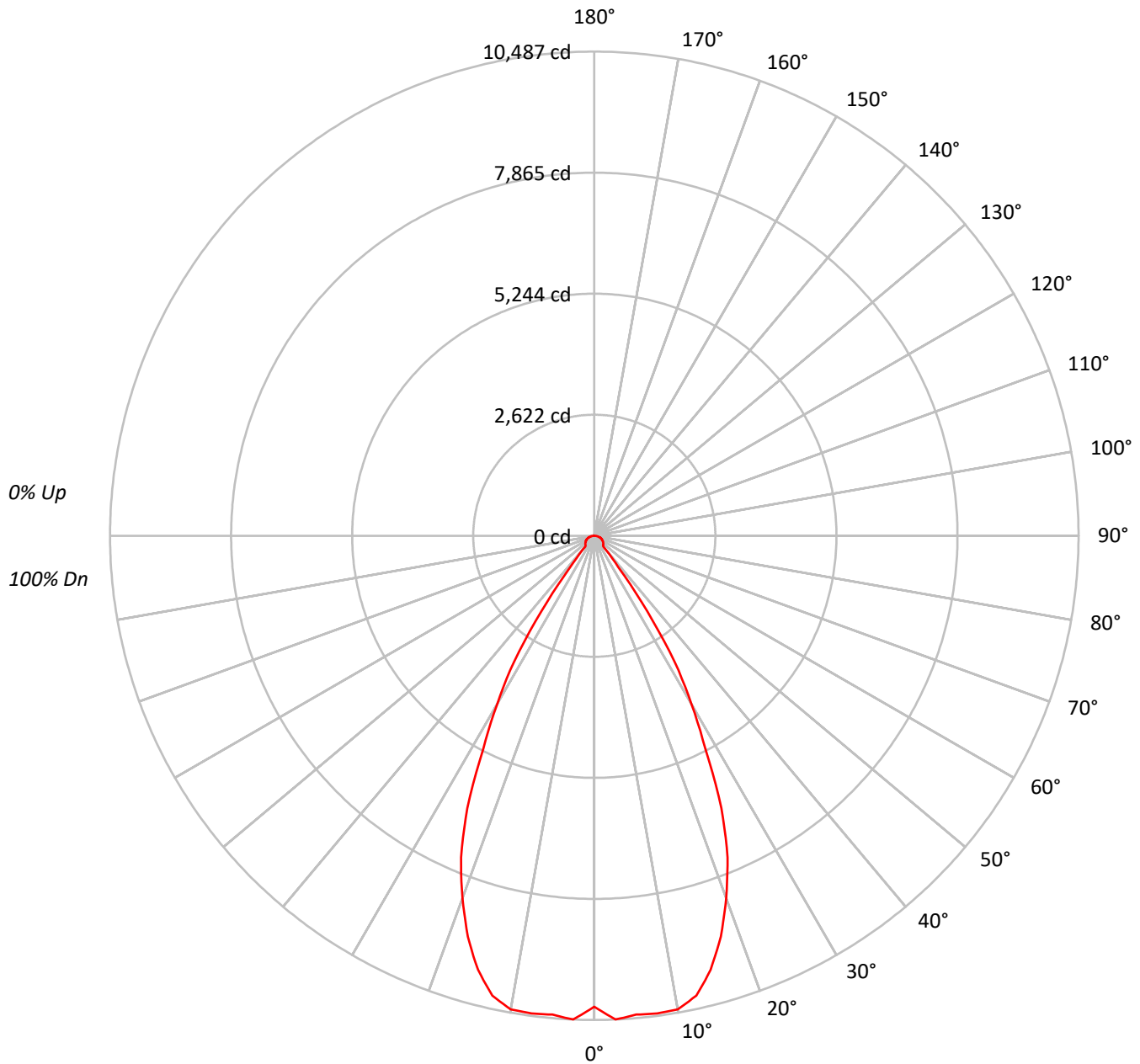


Downlight

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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
RW	70	50	30	10		70	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			100
1	113	110	108	105		111	108	106	104		104	102	100			100	99	97			93
2	107	102	98	95		105	101	97	94		97	94	92			94	92	90			86
3	102	96	90	86		100	94	89	86		91	88	84			89	86	83			80
4	97	89	84	80		95	88	83	79		86	82	78			84	80	77			75
5	92	84	78	74		91	83	78	74		81	77	73			80	76	72			70
6	88	79	73	69		87	78	73	69		77	72	68			75	71	68			66
7	84	75	69	65		83	74	68	64		73	68	64			72	67	64			62
8	80	71	65	61		79	70	65	61		69	64	60			68	64	60			59
9	77	67	61	57		75	67	61	57		66	61	57			65	60	57			55
10	73	64	58	54		72	63	58	54		62	58	54			62	57	54			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1114492
5°	1141903
10°	1155694
15°	1100960
20°	970704
25°	785132
30°	531072
35°	266125
40°	43174
45°	42261
50°	43090
55°	43756
60°	44972
65°	45993
70°	47088
75°	47619
80°	45932
85°	38236

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 47619 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	995.1	11.6
10°-20°	2692.2	31.3
20°-30°	2896.6	33.7
30°-40°	1259.1	14.7
40°-50°	211.5	2.5
50°-60°	205.6	2.4
60°-70°	175.9	2.0
70°-80°	117.7	1.4
80°-90°	35.2	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°	6583.9	76.7
0°-40°	7843.0	91.3
0°-60°	8260.1	96.2
0°-90°	8588.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8588.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10200	
5°	10411	995
15°	9733	2692
25°	6513	2897
35°	1995	1259
45°	274	211
55°	230	206
65°	178	176
75°	113	118
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10200.3
2.5°	10487.1
5°	10411.4
7.5°	10435.3
10°	10416.7
12.5°	10201.7
15°	9733.1
17.5°	9103.8
20°	8348.5
22.5°	7540.1
25°	6512.6
27.5°	5209.0
30°	4209.4
32.5°	3244.4
35°	1995.2
37.5°	853.6
40°	302.7
42.5°	278.8
45°	273.5
47.5°	264.2
50°	253.5
52.5°	241.6
55°	229.7
57.5°	217.7
60°	205.8
62.5°	192.5
65°	177.9
67.5°	163.3
70°	147.4
72.5°	130.1
75°	112.8
77.5°	92.9
80°	73.0
82.5°	51.8
85°	30.5
87.5°	10.6
90°	0.0



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— 0°-180°







(END OF REPORT)