

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: P774694

Luminaire Tested: LD6D95BD010-EU6DR6070959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774694
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: LD6D95BD010-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: 12453.0 lumens
Efficiency: N/A
Efficacy: 125.5 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): 99.2
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

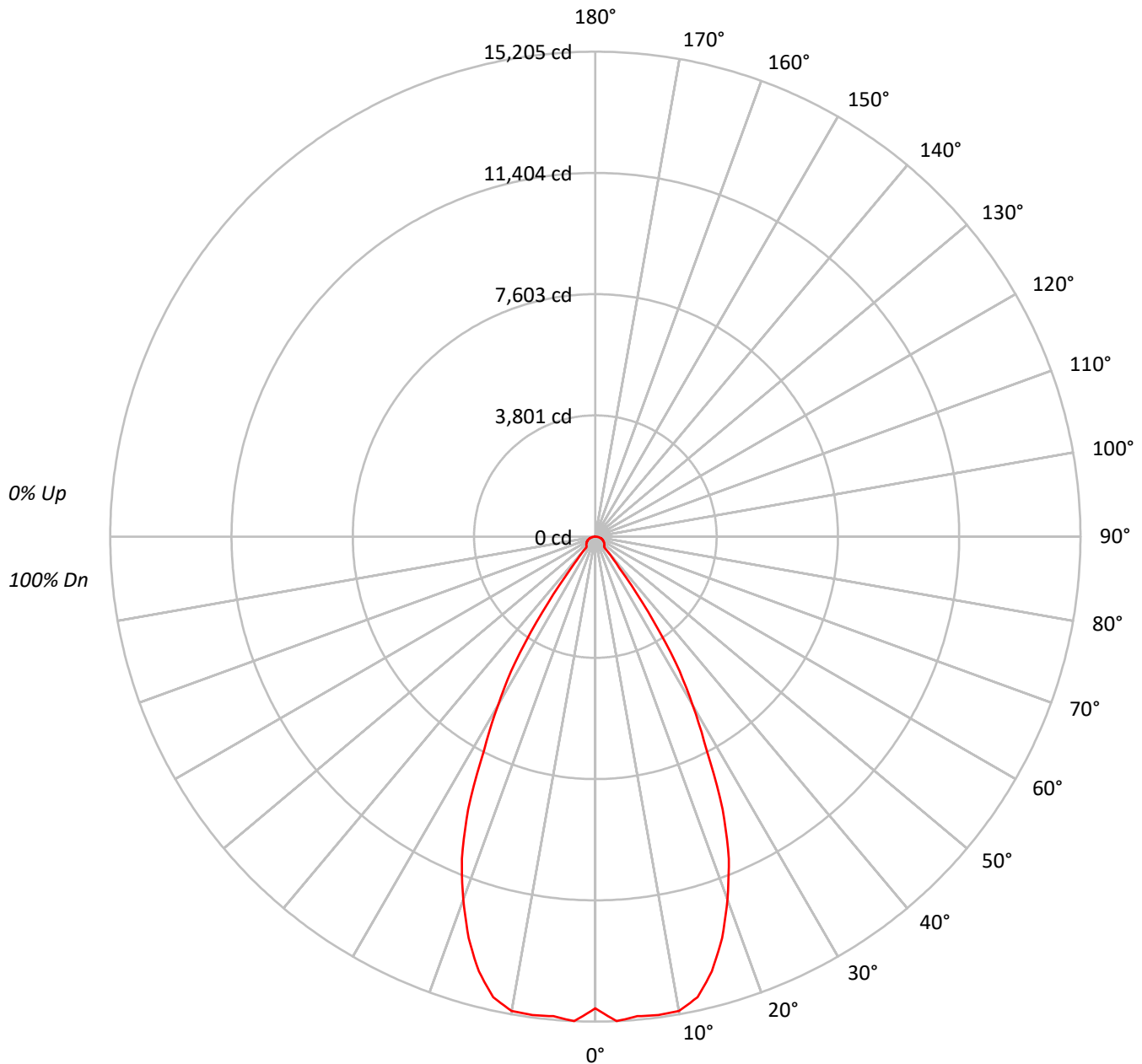


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1615912
5°	1655646
10°	1675644
15°	1596280
20°	1407425
25°	1138373
30°	770013
35°	385850
40°	62586
45°	61266
50°	62484
55°	63433
60°	65185
65°	66676
70°	68236
75°	69064
80°	66633
85°	55536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 69064 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1442.7	11.6
10°-20°	3903.5	31.3
20°-30°	4199.8	33.7
30°-40°	1825.6	14.7
40°-50°	306.6	2.5
50°-60°	298.1	2.4
60°-70°	255.0	2.0
70°-80°	170.6	1.4
80°-90°	51.1	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°	9546.0	76.7
0°-40°	11371.6	91.3
0°-60°	11976.3	96.2
0°-90°	12453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12453.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14790	
5°	15096	###
15°	14112	3903
25°	9443	4200
35°	2893	1826
45°	396	307
55°	333	298
65°	258	255
75°	164	171
85°	44	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14789.5
2.5°	15205.2
5°	15095.5
7.5°	15130.2
10°	15103.2
12.5°	14791.4
15°	14112.0
17.5°	13199.7
20°	12104.5
22.5°	10932.4
25°	9442.7
27.5°	7552.6
30°	6103.3
32.5°	4704.0
35°	2892.8
37.5°	1237.6
40°	438.8
42.5°	404.2
45°	396.5
47.5°	383.0
50°	367.6
52.5°	350.3
55°	333.0
57.5°	315.7
60°	298.3
62.5°	279.1
65°	257.9
67.5°	236.7
70°	213.6
72.5°	188.6
75°	163.6
77.5°	134.7
80°	105.9
82.5°	75.1
85°	44.3
87.5°	15.4
90°	0.0



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— 0°-180°







(END OF REPORT)