

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: P774693

Luminaire Tested: LD6D95BD010-EU6DR6070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774693
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-EU6DR6070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 11860.0 lumens
Efficiency: N/A
Efficacy: 119.6 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 (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

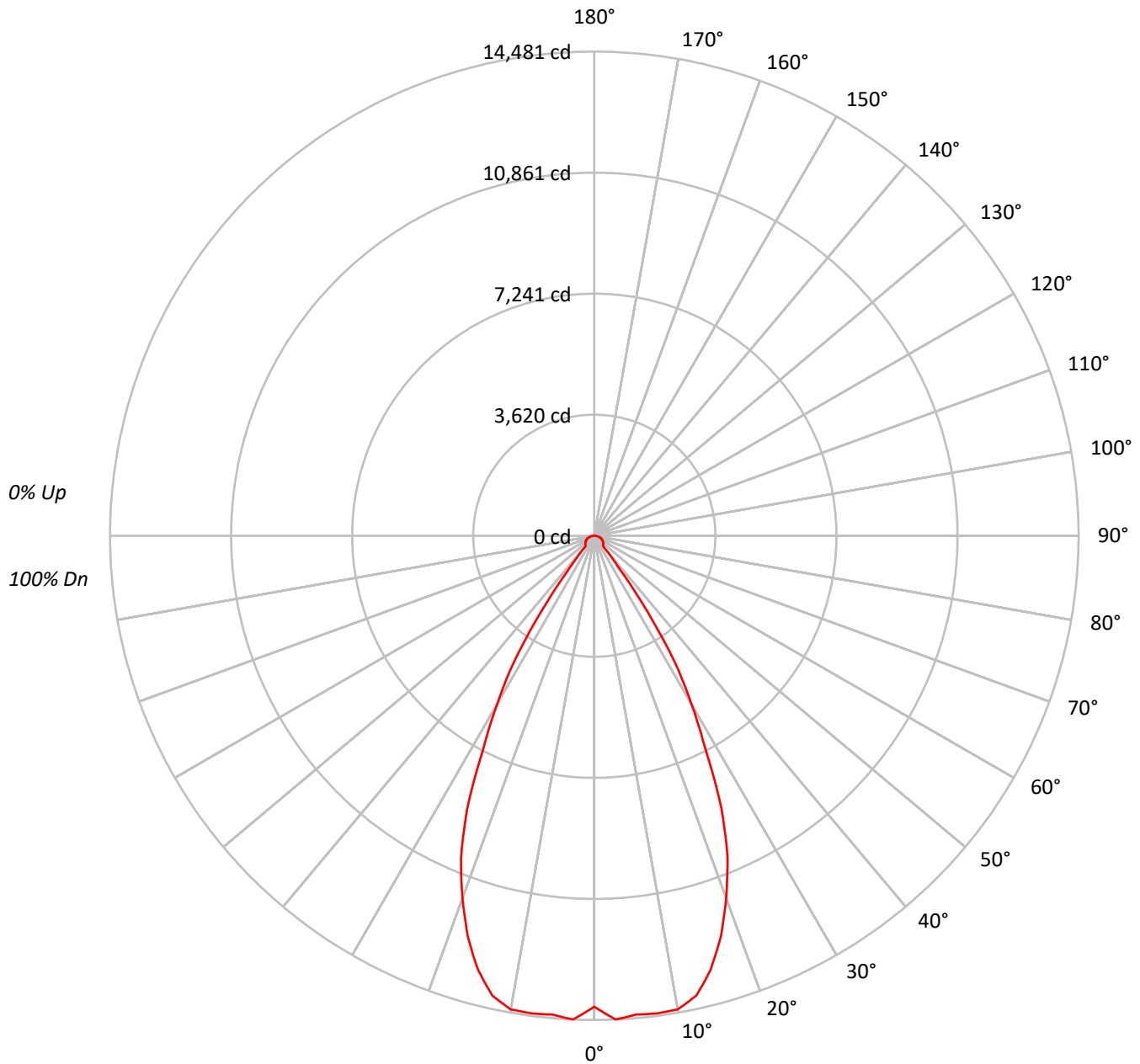


Downlight

TEST NUMBER: P774693

CATALOG NUMBER: LD6D95BD010-EU6DR6070959040-6LBDP1H

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°	1538960
5°	1576809
10°	1595851
15°	1520266
20°	1340405
25°	1084159
30°	733338
35°	367483
40°	59605
45°	58346
50°	59510
55°	60404
60°	62082
65°	63496
70°	65010
75°	65771
80°	63424
85°	52903

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 65771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1374.0	11.6
10°-20°	3717.6	31.3
20°-30°	3999.8	33.7
30°-40°	1738.6	14.7
40°-50°	292.0	2.5
50°-60°	283.9	2.4
60°-70°	242.9	2.0
70°-80°	162.5	1.4
80°-90°	48.6	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°	9091.4	76.7
0°-40°	10830.1	91.3
0°-60°	11406.0	96.2
0°-90°	11860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11860.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14085	
5°	14377	###
15°	13440	3718
25°	8993	4000
35°	2755	1739
45°	378	292
55°	317	284
65°	246	243
75°	156	162
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14085.2
2.5°	14481.2
5°	14376.7
7.5°	14409.7
10°	14384.0
12.5°	14087.1
15°	13440.0
17.5°	12571.1
20°	11528.1
22.5°	10411.8
25°	8993.0
27.5°	7192.9
30°	5812.6
32.5°	4480.0
35°	2755.1
37.5°	1178.7
40°	417.9
42.5°	384.9
45°	377.6
47.5°	364.8
50°	350.1
52.5°	333.6
55°	317.1
57.5°	300.6
60°	284.1
62.5°	265.8
65°	245.6
67.5°	225.5
70°	203.5
72.5°	179.6
75°	155.8
77.5°	128.3
80°	100.8
82.5°	71.5
85°	42.2
87.5°	14.7
90°	0.0



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— 0°-180°







(END OF REPORT)