

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: P774406

Luminaire Tested: LD6D95BD010-EU6DR4570959024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR4570959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8649.6 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

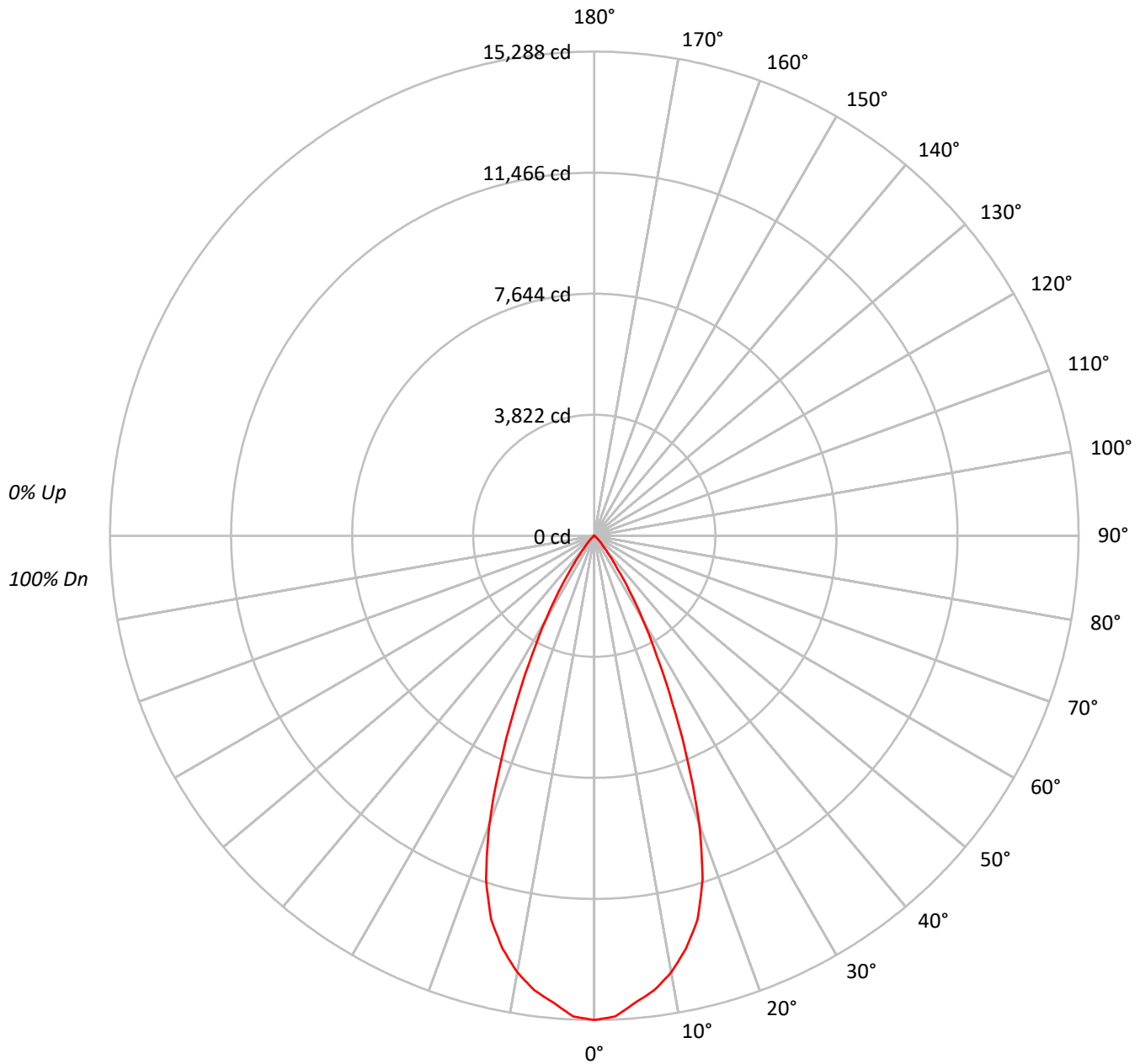


Downlight

TEST NUMBER: P774406

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1B

Luminous Intensity Polar Plot



TEST NUMBER: P774406

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1B

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1670422
5°	1622863
10°	1552638
15°	1420997
20°	1127347
25°	703817
30°	387927
35°	174185
40°	68605
45°	32325
50°	15332
55°	8020
60°	3933
65°	931
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32325 cd/sqm



TEST NUMBER: P774406

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1390.3	16.1
10°-20°	3421.7	39.6
20°-30°	2709.6	31.3
30°-40°	902.3	10.4
40°-50°	179.1	2.1
50°-60°	40.7	0.5
60°-70°	5.8	0.1
70°-80°	0.2	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°	7521.5	87.0
0°-40°	8423.9	97.4
0°-60°	8643.6	99.9
0°-90°	8649.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8649.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15288	
5°	14797	###
15°	12562	3422
25°	5838	2710
35°	1306	902
45°	209	179
55°	42	41
65°	4	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774406

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	15288.4
2.5°	15188.6
5°	14796.6
7.5°	14473.1
10°	13994.5
12.5°	13357.2
15°	12562.4
17.5°	11367.1
20°	9695.7
22.5°	7704.3
25°	5838.1
27.5°	4274.8
30°	3074.8
32.5°	2091.1
35°	1305.9
37.5°	774.4
40°	481.0
42.5°	316.3
45°	209.2
47.5°	134.7
50°	90.2
52.5°	60.1
55°	42.1
57.5°	27.7
60°	18.0
62.5°	9.6
65°	3.6
67.5°	1.2
70°	1.2
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)