

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: P774773

Luminaire Tested: LD6D95BD010-EU6DR6570959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8941.1 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

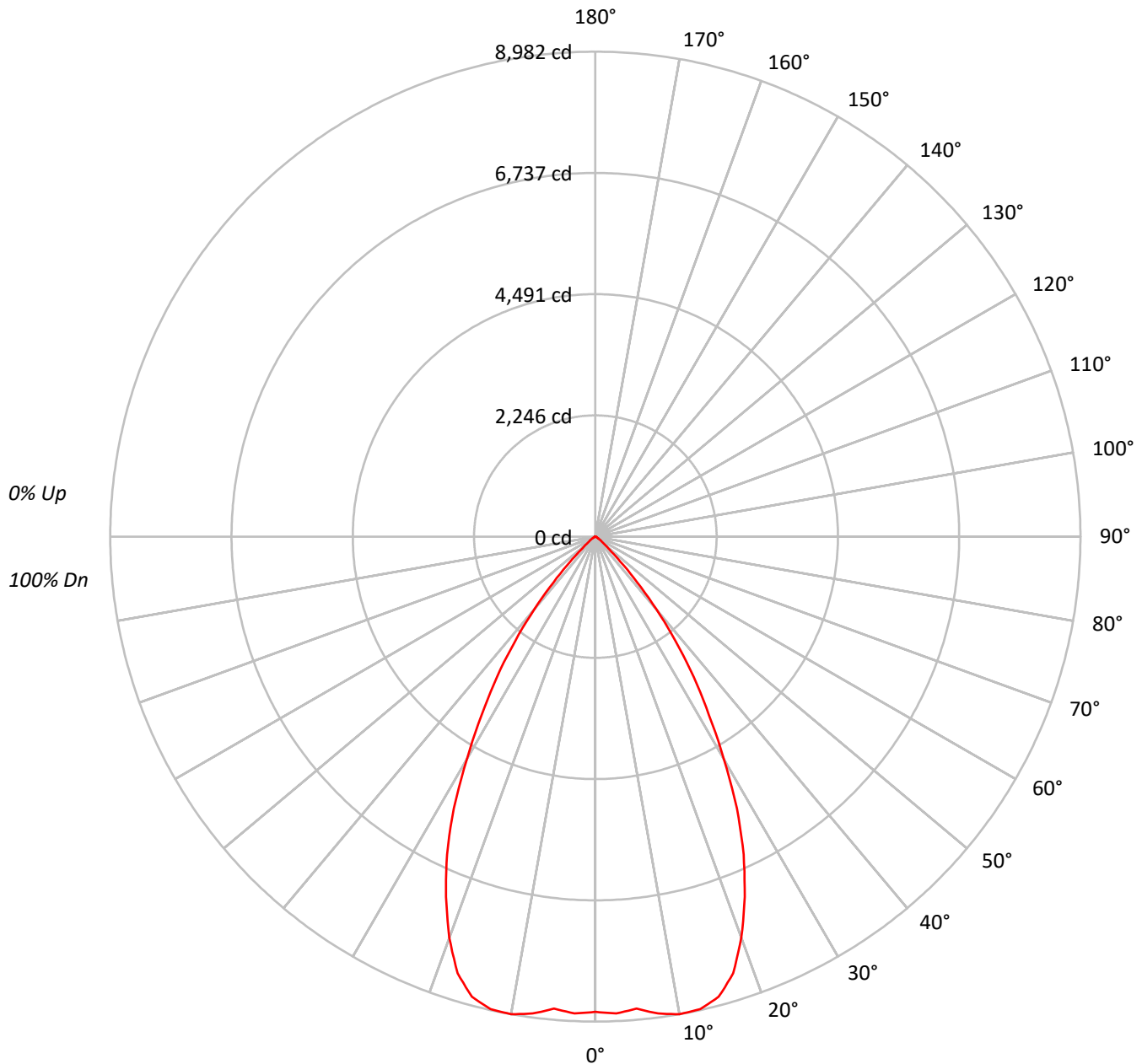


Downlight

TEST NUMBER: P774773

CATALOG NUMBER: LD6D95BD010-EU6DR6570959040-6LBDP1MW

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					0
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	111	108	106	111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95	106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87	100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79	95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73	90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68	86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63	81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59	77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55	74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52	70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	961833
5°	962623
10°	996519
15°	998161
20°	918974
25°	783011
30°	599428
35°	423490
40°	249973
45°	101487
50°	36784
55°	20497
60°	11756
65°	6463
70°	6804
75°	5277
80°	5537
85°	4764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 101487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	847.7	9.5
10°-20°	2445.1	27.3
20°-30°	2933.7	32.8
30°-40°	1971.5	22.0
40°-50°	590.2	6.6
50°-60°	104.2	1.2
60°-70°	29.6	0.3
70°-80°	14.5	0.2
80°-90°	4.6	0.1
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°	6226.5	69.6
0°-40°	8198.0	91.7
0°-60°	8892.3	99.5
0°-90°	8941.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8941.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8803	
5°	8777	848
15°	8824	2445
25°	6495	2934
35°	3175	1972
45°	657	590
55°	108	104
65°	25	30
75°	12	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8803.1
2.5°	8840.6
5°	8776.8
7.5°	8909.4
10°	8982.0
12.5°	8964.5
15°	8824.3
17.5°	8481.6
20°	7903.6
22.5°	7223.1
25°	6495.0
27.5°	5673.2
30°	4751.2
32.5°	3915.5
35°	3175.0
37.5°	2443.1
40°	1752.6
42.5°	1144.6
45°	656.8
47.5°	347.8
50°	216.4
52.5°	150.1
55°	107.6
57.5°	77.6
60°	53.8
62.5°	35.0
65°	25.0
67.5°	22.5
70°	21.3
72.5°	16.3
75°	12.5
77.5°	11.3
80°	8.8
82.5°	6.3
85°	3.8
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)