

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: P774305

Luminaire Tested: LD6D95BD010-EU6DR3570959040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3570959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10592.7 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

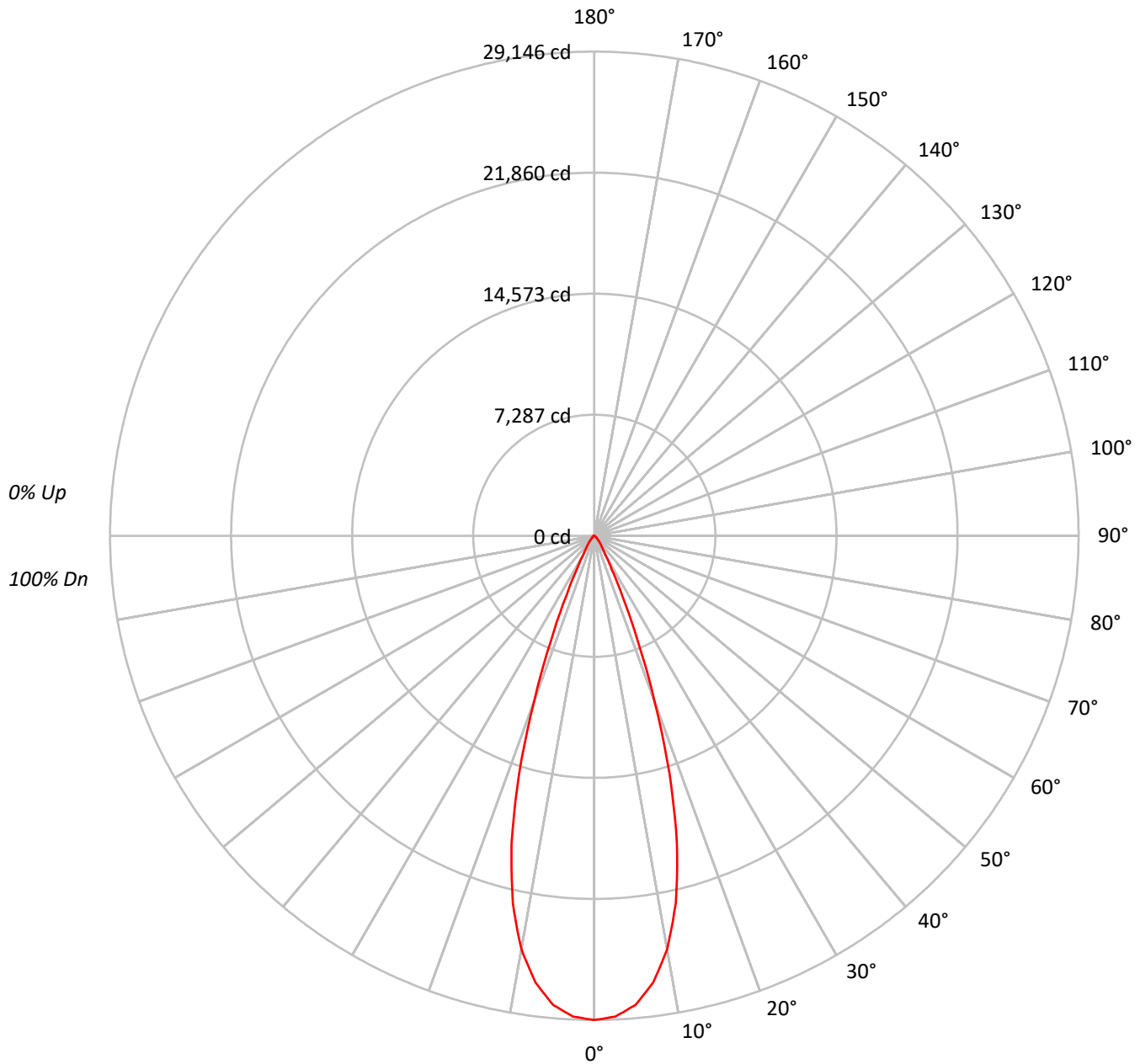


Downlight

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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	115	112	110	108		112	110	108	107		106	105	103			103	101	100			99
2	110	106	103	101		108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94		105	100	96	93		97	95	92			95	93	91			93
4	103	97	92	89		101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85		98	92	87	84		90	86	84			89	85	83			87
6	96	89	84	81		94	88	84	81		87	83	80			85	82	80			84
7	93	85	81	78		91	85	80	77		84	80	77			83	79	77			82
8	90	82	78	74		88	82	77	74		81	77	74			80	76	74			79
9	87	79	75	72		86	79	75	72		78	74	71			77	74	71			77
10	84	77	72	69		83	76	72	69		76	72	69			75	71	69			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3184514
5°	3109682
10°	2802647
15°	2175304
20°	1233795
25°	480005
30°	179076
35°	98156
40°	64155
45°	39047
50°	24851
55°	17563
60°	12849
65°	6980
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39047 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2607.6	24.6
10°-20°	5091.2	48.1
20°-30°	2076.4	19.6
30°-40°	496.9	4.7
40°-50°	207.1	2.0
50°-60°	85.7	0.8
60°-70°	26.8	0.3
70°-80°	0.6	0.0
80°-90°	0.4	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°	9775.2	92.3
0°-40°	10272.1	97.0
0°-60°	10564.9	99.7
0°-90°	10592.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10592.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29146	
5°	28353	###
15°	19231	5091
25°	3982	2076
35°	736	497
45°	253	207
55°	92	86
65°	27	27
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	29146.0
2.5°	28971.1
5°	28352.8
7.5°	27119.4
10°	25261.3
12.5°	22645.1
15°	19230.9
17.5°	15055.4
20°	10611.2
22.5°	6766.3
25°	3981.6
27.5°	2250.7
30°	1419.4
32.5°	996.6
35°	735.9
37.5°	569.0
40°	449.8
42.5°	346.5
45°	252.7
47.5°	189.1
50°	146.2
52.5°	116.0
55°	92.2
57.5°	74.7
60°	58.8
62.5°	42.9
65°	27.0
67.5°	9.5
70°	1.6
72.5°	1.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)