

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: P774669

Luminaire Tested: LD6D95BD010-EU6DR6070959030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774669
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-EU6DR6070959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10153.9 lumens
Efficiency: N/A
Efficacy: 102.4 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

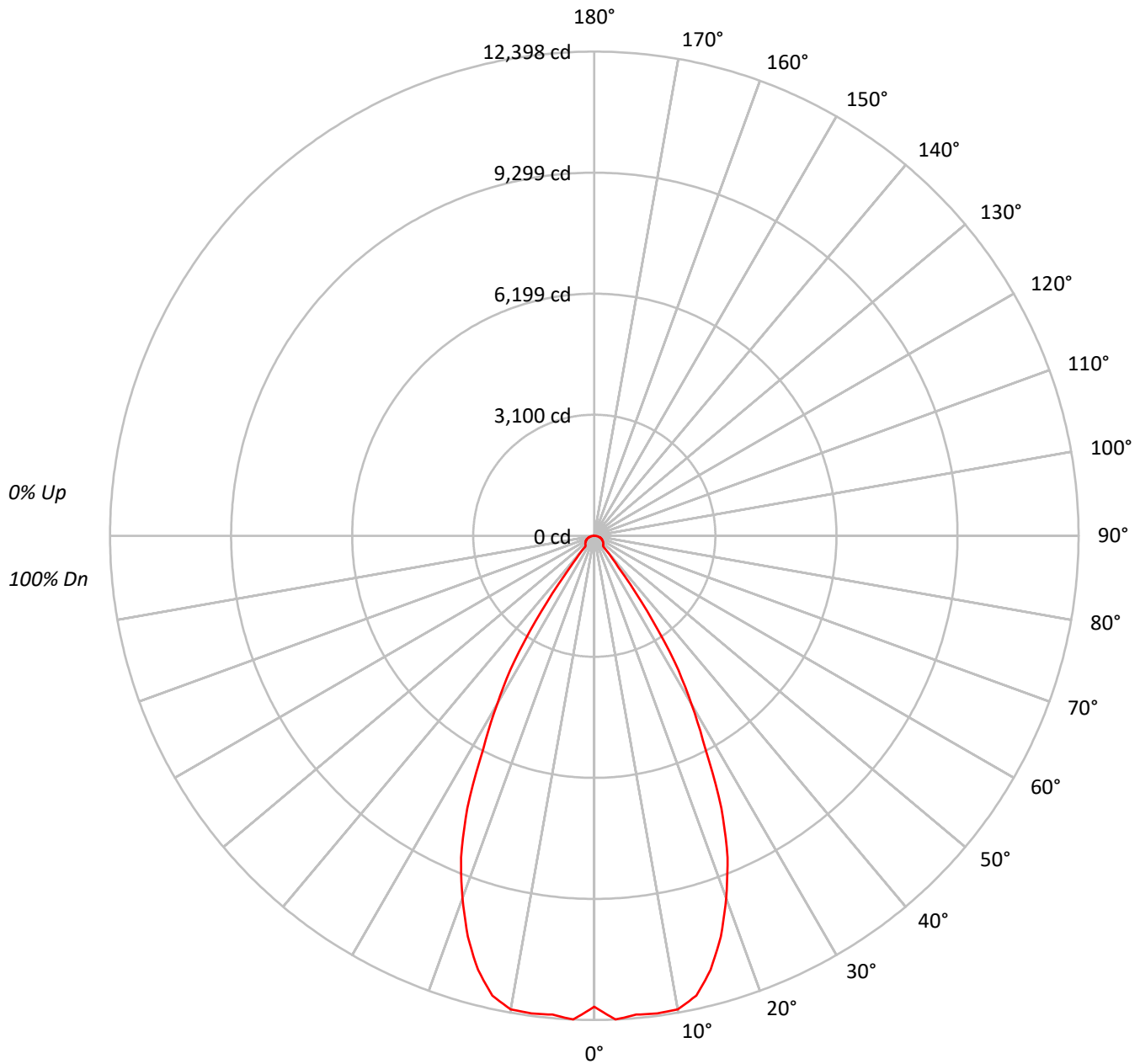


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1317575
5°	1349973
10°	1366281
15°	1301570
20°	1147578
25°	928196
30°	627852
35°	314623
40°	51033
45°	49956
50°	50943
55°	51718
60°	53166
65°	54369
70°	55649
75°	56315
80°	54301
85°	45256

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 56315 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1176.4	11.6
10°-20°	3182.8	31.3
20°-30°	3424.4	33.7
30°-40°	1488.5	14.7
40°-50°	250.0	2.5
50°-60°	243.1	2.4
60°-70°	207.9	2.0
70°-80°	139.1	1.4
80°-90°	41.6	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°	7783.6	76.7
0°-40°	9272.1	91.3
0°-60°	9765.2	96.2
0°-90°	10153.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10153.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12059	
5°	12308	###
15°	11507	3183
25°	7699	3424
35°	2359	1489
45°	323	250
55°	272	243
65°	210	208
75°	133	139
85°	36	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12059.0
2.5°	12398.0
5°	12308.5
7.5°	12336.8
10°	12314.8
12.5°	12060.6
15°	11506.6
17.5°	10762.7
20°	9869.7
22.5°	8914.0
25°	7699.3
27.5°	6158.2
30°	4976.5
32.5°	3835.5
35°	2358.8
37.5°	1009.1
40°	357.8
42.5°	329.6
45°	323.3
47.5°	312.3
50°	299.7
52.5°	285.6
55°	271.5
57.5°	257.4
60°	243.3
62.5°	227.6
65°	210.3
67.5°	193.0
70°	174.2
72.5°	153.8
75°	133.4
77.5°	109.9
80°	86.3
82.5°	61.2
85°	36.1
87.5°	12.6
90°	0.0



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— 0°-180°







(END OF REPORT)