

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: P774308

Luminaire Tested: LD6D95BD010-EU6DR3570959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774308
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-EU6DR3570959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12485.3 lumens
Efficiency: N/A
Efficacy: 125.9 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 (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

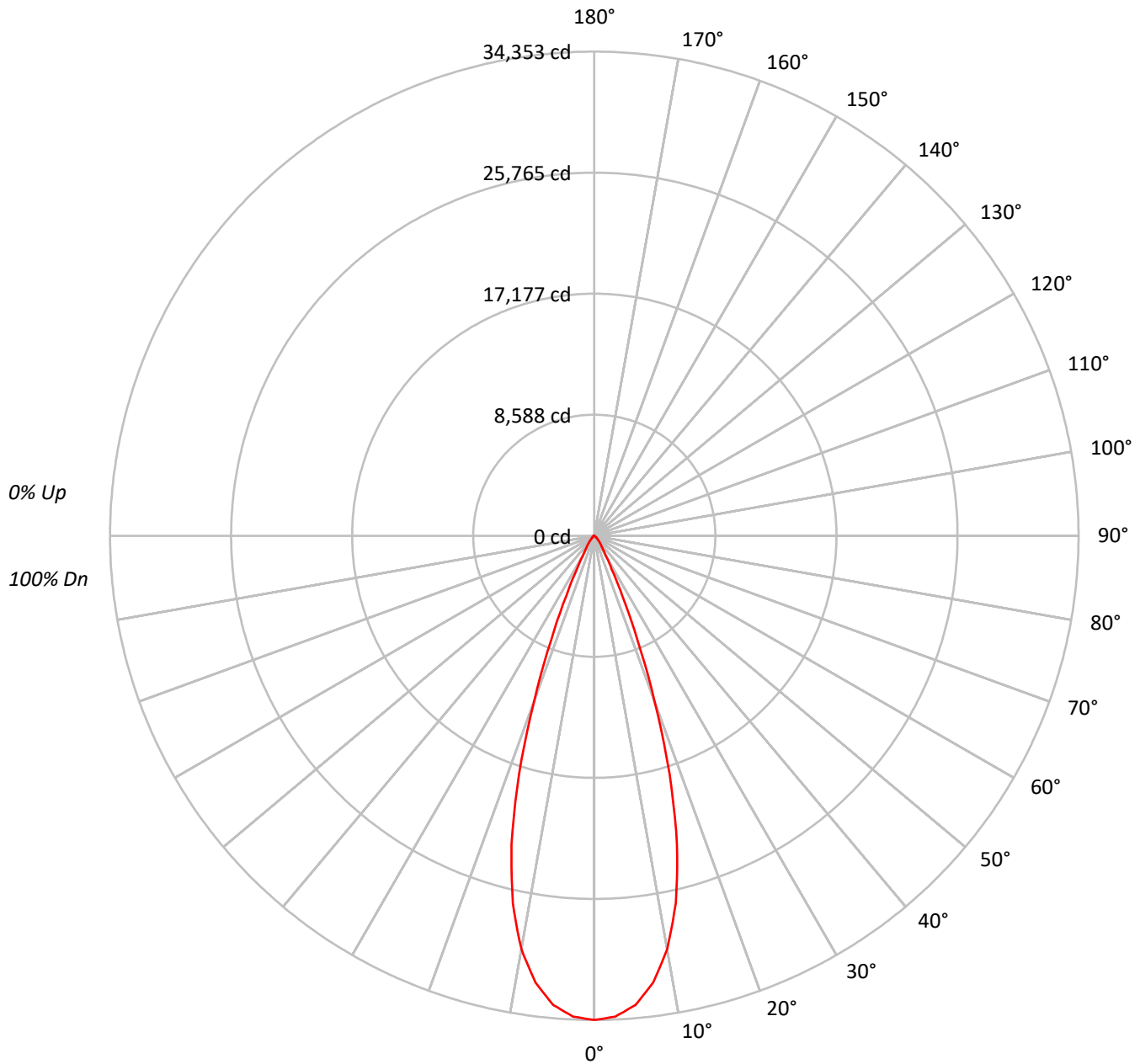


Downlight

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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	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	106	103	101		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	93		97	95	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	80		84	81	79
7	93	85	81	78		91	85	80	77		84	80	77		83	79	77		82	79	76
8	90	82	78	74		88	82	77	74		81	77	74		80	76	74		79	76	73
9	87	79	75	72		86	79	75	72		78	74	71		77	74	71		77	73	71
10	84	77	72	69		83	76	72	69		76	72	69		75	71	69		74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3753435
5°	3665245
10°	3303348
15°	2563934
20°	1454225
25°	565757
30°	211071
35°	115696
40°	75622
45°	46031
50°	29304
55°	20706
60°	15144
65°	8221
70°	607
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3073.5	24.6
10°-20°	6000.8	48.1
20°-30°	2447.4	19.6
30°-40°	585.7	4.7
40°-50°	244.1	2.0
50°-60°	101.1	0.8
60°-70°	31.6	0.3
70°-80°	0.7	0.0
80°-90°	0.5	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°	11521.6	92.3
0°-40°	12107.3	97.0
0°-60°	12452.4	99.7
0°-90°	12485.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12485.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	34353	
5°	33418	###
15°	22667	6001
25°	4693	2447
35°	867	586
45°	298	244
55°	109	101
65°	32	32
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	34353.0
2.5°	34146.9
5°	33418.2
7.5°	31964.4
10°	29774.3
12.5°	26690.7
15°	22666.6
17.5°	17745.1
20°	12507.0
22.5°	7975.2
25°	4692.9
27.5°	2652.8
30°	1673.0
32.5°	1174.6
35°	867.4
37.5°	670.7
40°	530.2
42.5°	408.4
45°	297.9
47.5°	222.9
50°	172.4
52.5°	136.8
55°	108.7
57.5°	88.1
60°	69.3
62.5°	50.6
65°	31.8
67.5°	11.2
70°	1.9
72.5°	1.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)