

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: P774371

Luminaire Tested: LD6D95BD010-EU6DR4070959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR4070959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11659.6 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

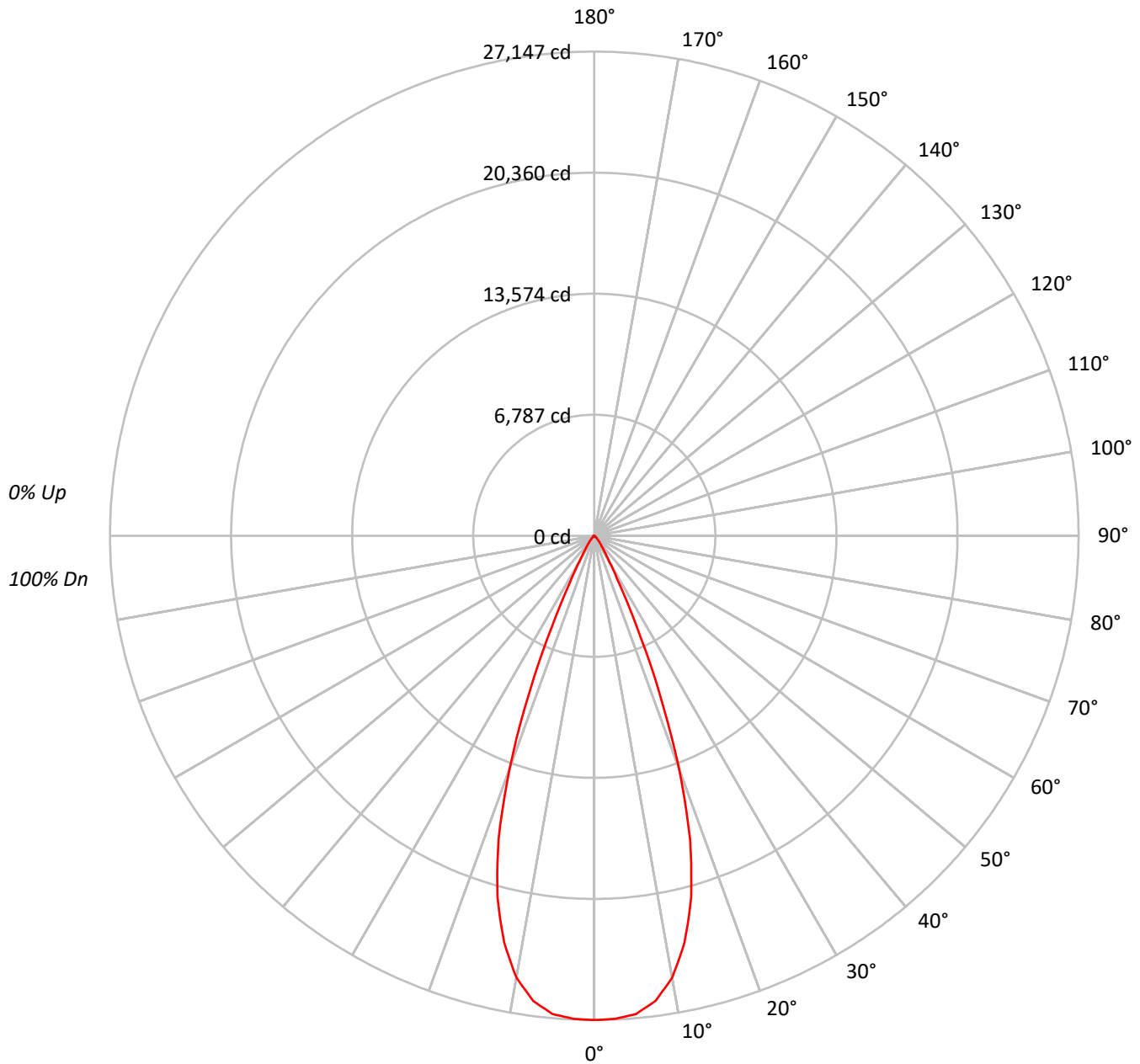


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2966058
5°	2951646
10°	2789944
15°	2371808
20°	1616565
25°	674498
30°	212081
35°	98570
40°	54513
45°	25001
50°	12137
55°	6648
60°	3474
65°	1241
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2512.9	21.6
10°-20°	5629.6	48.3
20°-30°	2818.0	24.2
30°-40°	516.6	4.4
40°-50°	142.5	1.2
50°-60°	33.5	0.3
60°-70°	6.4	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°	10960.4	94.0
0°-40°	11477.0	98.4
0°-60°	11653.0	99.9
0°-90°	11659.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11659.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27147	
5°	26912	###
15°	20968	5630
25°	5595	2818
35°	739	517
45°	162	143
55°	35	33
65°	5	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	27146.6
2.5°	27107.0
5°	26911.9
7.5°	26290.2
10°	25146.8
12.5°	23364.3
15°	20968.1
17.5°	17851.9
20°	13903.2
22.5°	9478.6
25°	5594.9
27.5°	2957.6
30°	1681.0
32.5°	1086.3
35°	739.0
37.5°	528.1
40°	382.2
42.5°	261.7
45°	161.8
47.5°	103.1
50°	71.4
52.5°	50.7
55°	34.9
57.5°	22.2
60°	15.9
62.5°	9.5
65°	4.8
67.5°	3.2
70°	1.6
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



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— 0°-180°







(END OF REPORT)