

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: P772809

Luminaire Tested: LD6D85BD010-EU6DR4070959035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772809
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: LD6D85BD010-EU6DR4070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11397.4 lumens
Efficiency: N/A
Efficacy: 130.0 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): 87.7
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

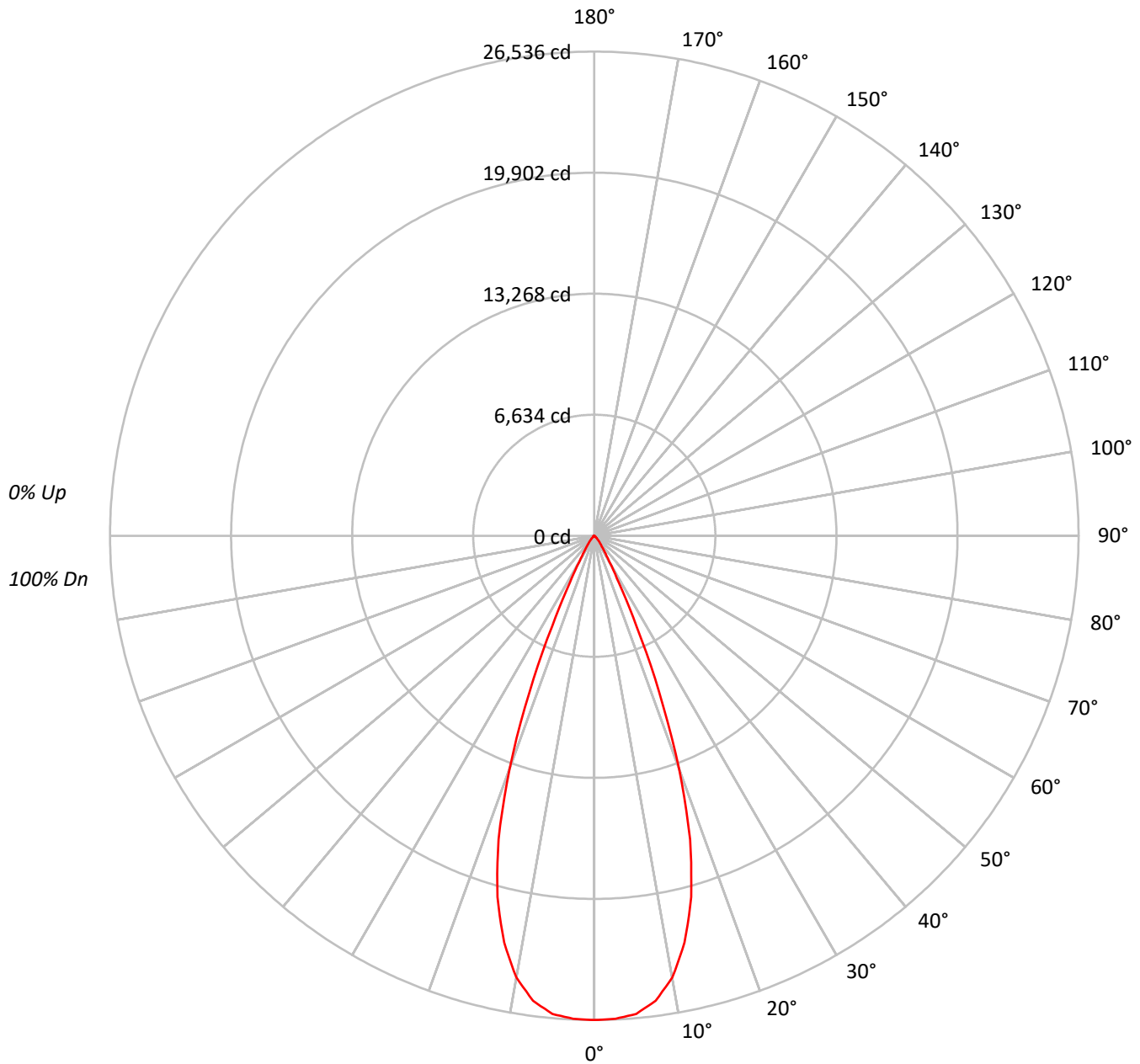


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2899354
5°	2885269
10°	2727204
15°	2318474
20°	1580206
25°	659332
30°	207312
35°	96356
40°	53286
45°	24429
50°	11865
55°	6496
60°	3387
65°	1215
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24429 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2456.4	21.6
10°-20°	5503.0	48.3
20°-30°	2754.6	24.2
30°-40°	505.0	4.4
40°-50°	139.3	1.2
50°-60°	32.7	0.3
60°-70°	6.3	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°	10713.9	94.0
0°-40°	11218.9	98.4
0°-60°	11390.9	99.9
0°-90°	11397.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11397.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26536	
5°	26307	###
15°	20497	5503
25°	5469	2755
35°	722	505
45°	158	139
55°	34	33
65°	5	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	26536.1
2.5°	26497.4
5°	26306.7
7.5°	25699.0
10°	24581.3
12.5°	22838.9
15°	20496.6
17.5°	17450.5
20°	13590.5
22.5°	9265.5
25°	5469.1
27.5°	2891.1
30°	1643.2
32.5°	1061.9
35°	722.4
37.5°	516.2
40°	373.6
42.5°	255.8
45°	158.1
47.5°	100.8
50°	69.8
52.5°	49.6
55°	34.1
57.5°	21.7
60°	15.5
62.5°	9.3
65°	4.7
67.5°	3.1
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)