

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: P763943

Luminaire Tested: LD6D30D010-EU6DR2015309050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D30D010-EU6DR2015309050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3801.7 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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



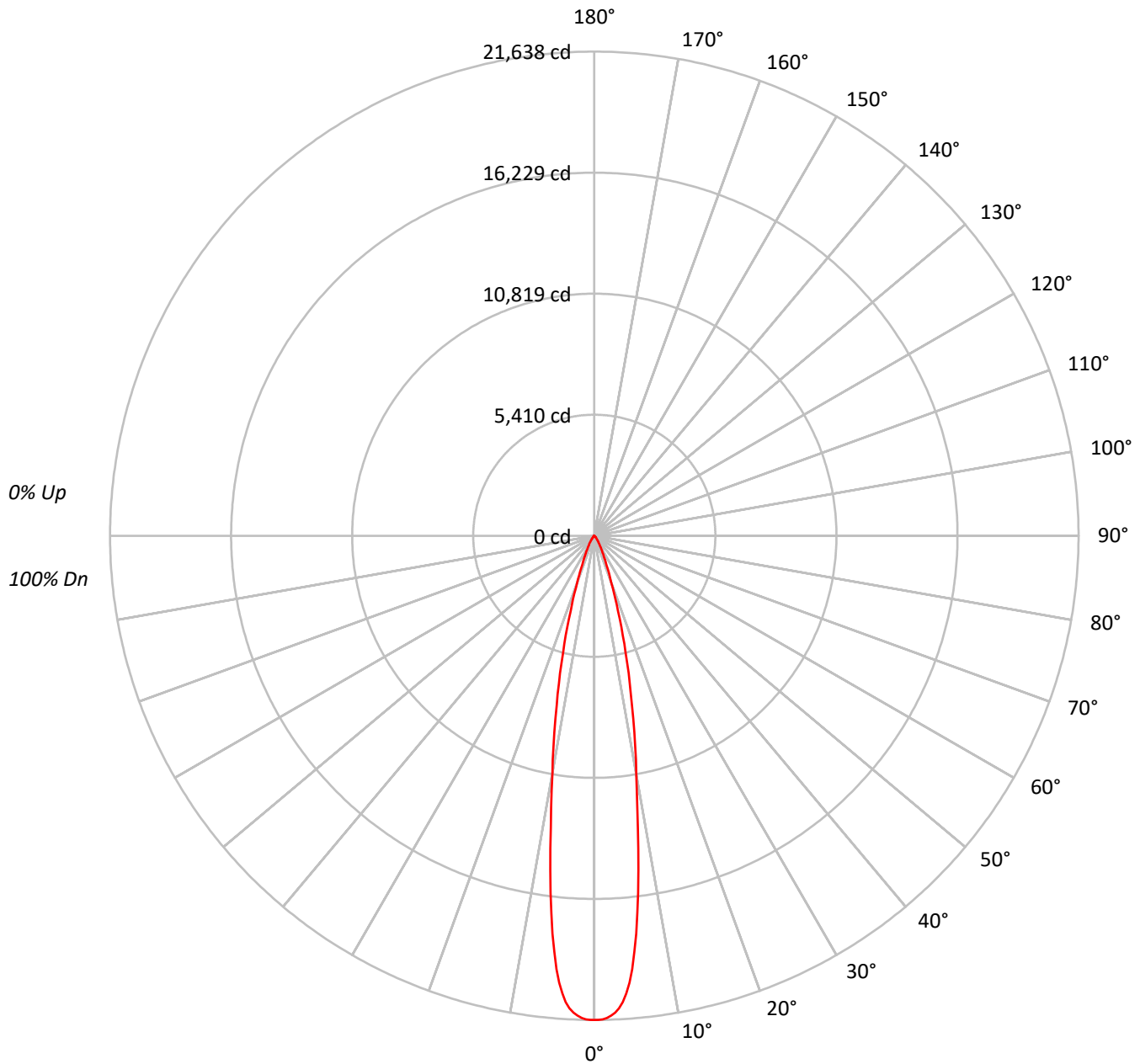
Downlight



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97			
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88			
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85			
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83			
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81			
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79			
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77			
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2364195
5°	2132943
10°	1197121
15°	608525
20°	257637
25°	118928
30°	62956
35°	33919
40°	18143
45°	10724
50°	6221
55°	3295
60°	2098
65°	1499
70°	607
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10724 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1540.6	40.5
10°-20°	1517.0	39.9
20°-30°	495.6	13.0
30°-40°	168.7	4.4
40°-50°	56.8	1.5
50°-60°	17.1	0.4
60°-70°	5.7	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°	3553.2	93.5
0°-40°	3721.9	97.9
0°-60°	3795.7	99.8
0°-90°	3801.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3801.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21638	
5°	19447	###
15°	5380	1517
25°	986	496
35°	254	169
45°	69	57
55°	17	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	21638.1
0.5°	21638.1
1°	21611.1
1.5°	21557.1
2°	21458.9
2.5°	21327.9
3°	21142.9
3.5°	20884.7
4°	20501.3
4.5°	20035.0
5°	19447.3
5.5°	18674.6
6°	17882.7
6.5°	16975.2
7°	16086.9
7.5°	15046.5
8°	14117.7
8.5°	13183.2
9°	12320.0
9.5°	11528.1
10°	10790.1
12.5°	7747.7
15°	5379.7
17.5°	3514.5
20°	2215.8
22.5°	1435.5
25°	986.5
27.5°	693.7
30°	499.0
32.5°	358.4
35°	254.3
37.5°	177.3
40°	127.2
42.5°	92.5
45°	69.4
47.5°	54.0
50°	36.6
52.5°	23.1
55°	17.3
57.5°	13.5
60°	9.6
62.5°	7.7
65°	5.8



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CANDELA DISTRIBUTION (continued):

	0°
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°







67.5°	3.9
70°	1.9



(END OF REPORT)