

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: P763946

Luminaire Tested: LD6D30D010-EU6DR2015309050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763946
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-EU6DR2015309050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 3811.2 lumens
Efficiency: N/A
Efficacy: 131.4 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



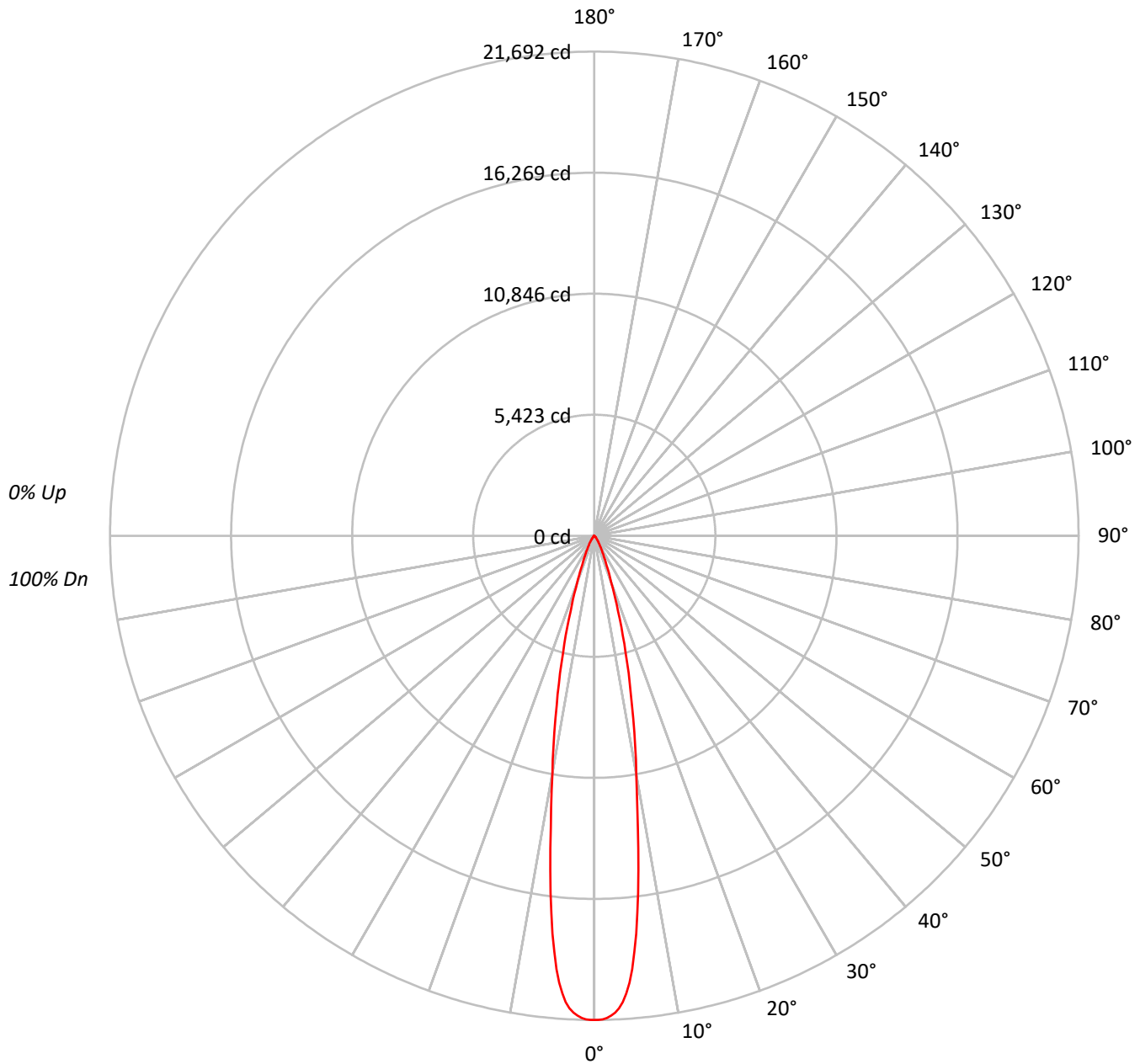
Downlight



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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
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	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2370117
5°	2138284
10°	1200128
15°	610041
20°	258289
25°	119230
30°	63120
35°	34013
40°	18185
45°	10739
50°	6238
55°	3315
60°	2120
65°	1499
70°	607
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10739 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1544.5	40.5
10°-20°	1520.8	39.9
20°-30°	496.8	13.0
30°-40°	169.2	4.4
40°-50°	56.9	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°	3562.1	93.5
0°-40°	3731.2	97.9
0°-60°	3805.2	99.8
0°-90°	3811.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3811.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21692	
5°	19496	###
15°	5393	1521
25°	989	497
35°	255	169
45°	70	57
55°	17	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21692.3
0.5°	21692.3
1°	21665.3
1.5°	21611.2
2°	21512.7
2.5°	21381.3
3°	21195.9
3.5°	20937.0
4°	20552.6
4.5°	20085.2
5°	19496.0
5.5°	18721.4
6°	17927.5
6.5°	17017.7
7°	16127.3
7.5°	15084.2
8°	14153.1
8.5°	13216.3
9°	12350.9
9.5°	11557.0
10°	10817.2
12.5°	7767.1
15°	5393.1
17.5°	3523.3
20°	2221.4
22.5°	1439.1
25°	989.0
27.5°	695.4
30°	500.3
32.5°	359.3
35°	255.0
37.5°	177.7
40°	127.5
42.5°	92.7
45°	69.5
47.5°	54.1
50°	36.7
52.5°	23.2
55°	17.4
57.5°	13.5
60°	9.7
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)