

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: P763920

Luminaire Tested: LD6D30D010-EU6DR2015309035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763920
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-EU6DR2015309035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.9 lumens
Efficiency: N/A
Efficacy: 129.4 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 (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



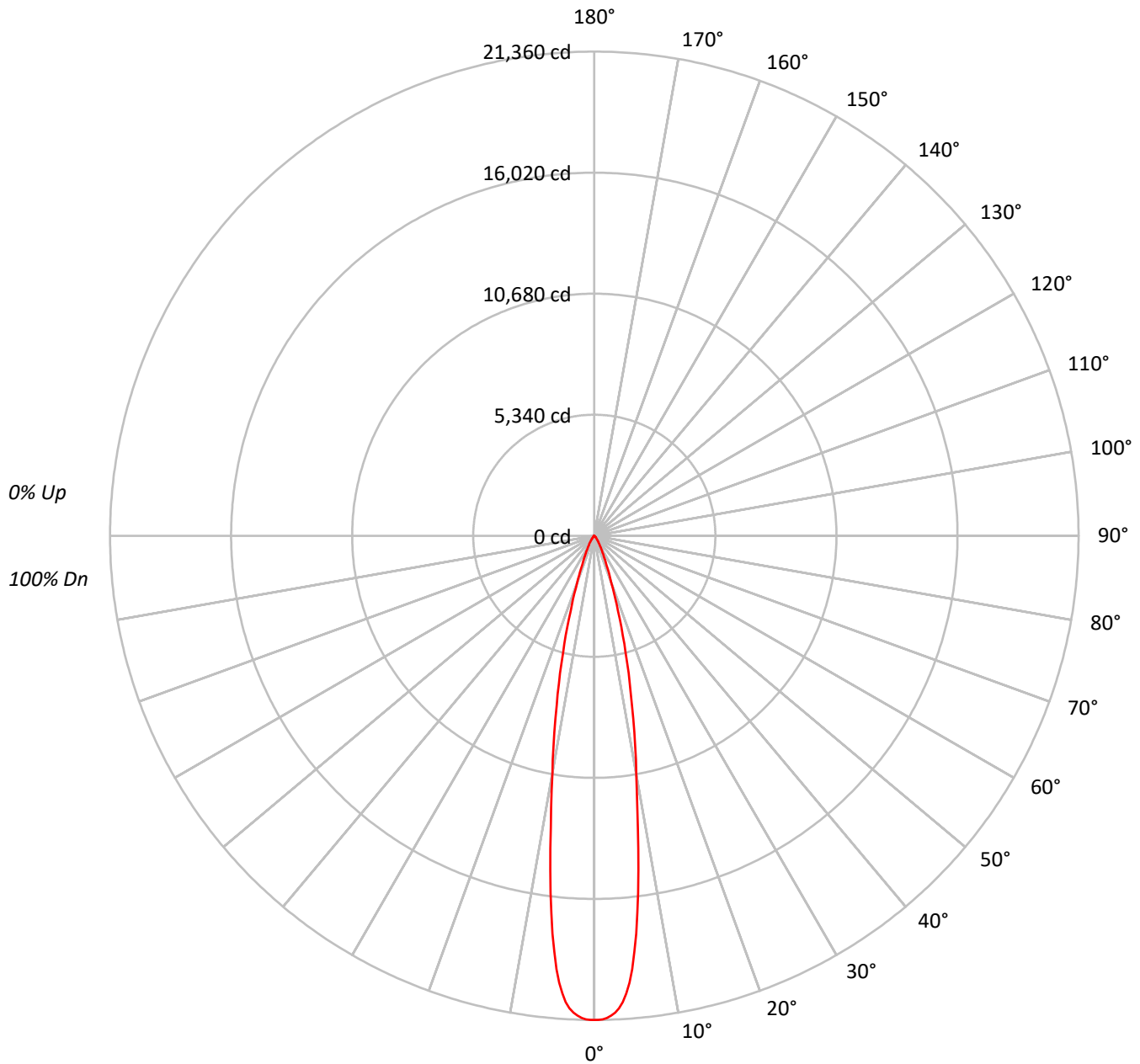
Downlight



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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				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°	2333864
5°	2105589
10°	1181766
15°	600720
20°	254335
25°	117409
30°	62148
35°	33492
40°	17900
45°	10584
50°	6136
55°	3257
60°	2076
65°	1474
70°	607
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10584 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1520.8	40.5
10°-20°	1497.5	39.9
20°-30°	489.2	13.0
30°-40°	166.6	4.4
40°-50°	56.0	1.5
50°-60°	16.8	0.4
60°-70°	5.6	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°	3507.6	93.5
0°-40°	3674.2	97.9
0°-60°	3747.0	99.8
0°-90°	3752.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3752.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21360	
5°	19198	###
15°	5311	1498
25°	974	489
35°	251	167
45°	68	56
55°	17	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	21360.5
0.5°	21360.5
1°	21333.9
1.5°	21280.7
2°	21183.6
2.5°	21054.3
3°	20871.7
3.5°	20616.8
4°	20238.3
4.5°	19778.0
5°	19197.9
5.5°	18435.1
6°	17653.4
6.5°	16757.5
7°	15880.6
7.5°	14853.5
8°	13936.7
8.5°	13014.1
9°	12162.0
9.5°	11380.2
10°	10651.7
12.5°	7648.3
15°	5310.7
17.5°	3469.4
20°	2187.4
22.5°	1417.1
25°	973.9
27.5°	684.8
30°	492.6
32.5°	353.8
35°	251.1
37.5°	175.0
40°	125.5
42.5°	91.3
45°	68.5
47.5°	53.3
50°	36.1
52.5°	22.8
55°	17.1
57.5°	13.3
60°	9.5
62.5°	7.6
65°	5.7



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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°	3.8
70°	1.9



(END OF REPORT)