

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: P763006

Luminaire Tested: LD6D25D010-EU6DR2015309050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763006
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: LD6D25D010-EU6DR2015309050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 3221.3 lumens
Efficiency: N/A
Efficacy: 128.3 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): 25.1
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

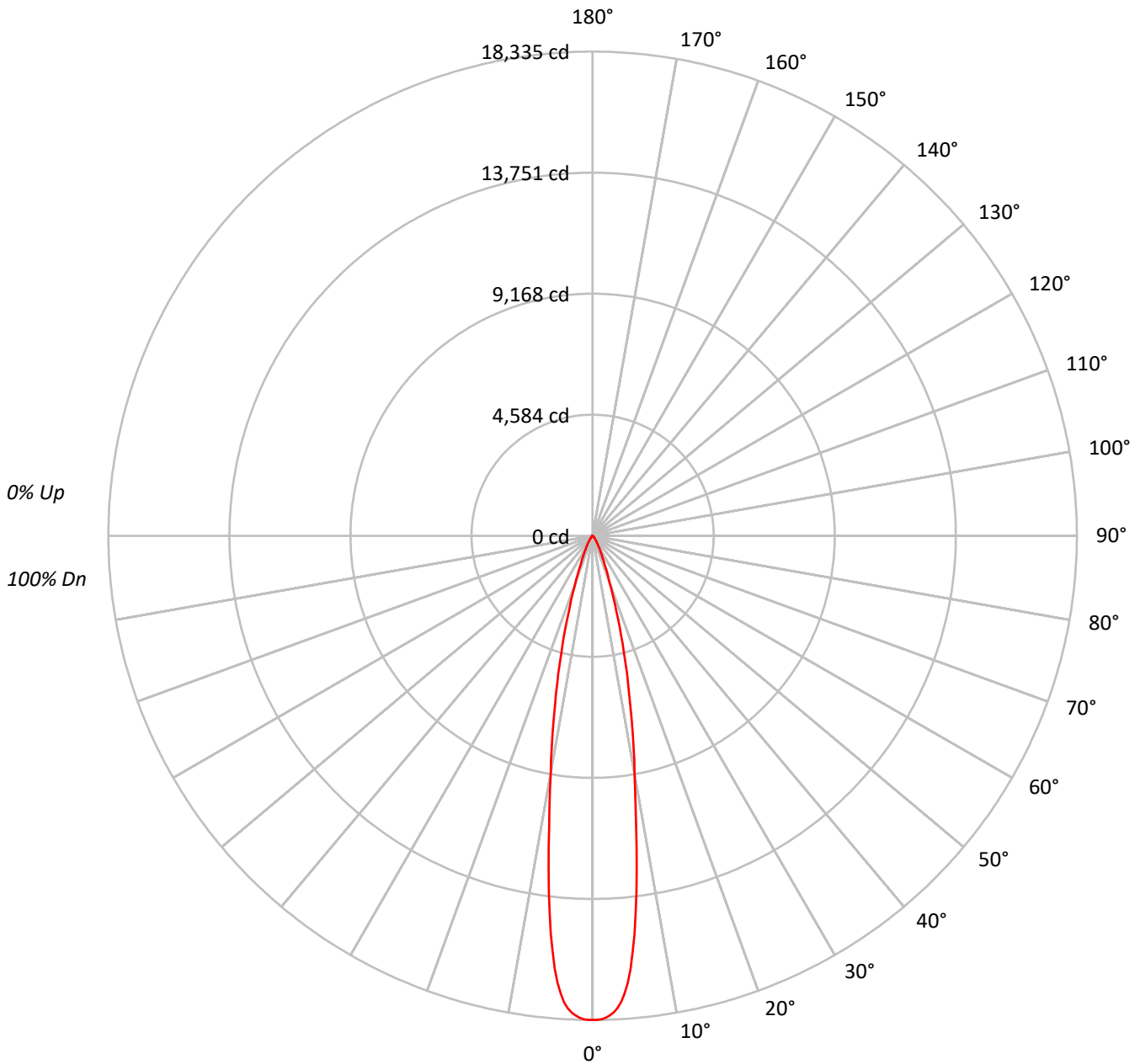


Downlight



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CATALOG NUMBER: LD6D25D010-EU6DR2015309050-6LBDP1H

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	96	95	94														
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95	94														
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	96	95	94														
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	96	94	93	92														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	98	96	95	94														
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	100	98	97	96														
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	100	98	97	96														
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	100	98	97	96														
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	100	98	97	96														
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	100	98	97	96														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2003285
5°	1807331
10°	1014382
15°	515624
20°	218314
25°	100773
30°	53355
35°	28744
40°	15375
45°	9086
50°	5269
55°	2800
60°	1792
65°	1267
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1305.4	40.5
10°-20°	1285.4	39.9
20°-30°	419.9	13.0
30°-40°	143.0	4.4
40°-50°	48.1	1.5
50°-60°	14.5	0.4
60°-70°	4.8	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°	3010.8	93.5
0°-40°	3153.7	97.9
0°-60°	3216.3	99.8
0°-90°	3221.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3221.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18335	
5°	16478	###
15°	4558	1285
25°	836	420
35°	216	143
45°	59	48
55°	15	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18334.9
0.5°	18334.9
1°	18312.0
1.5°	18266.3
2°	18183.1
2.5°	18072.0
3°	17915.3
3.5°	17696.5
4°	17371.6
4.5°	16976.5
5°	16478.5
5.5°	15823.8
6°	15152.8
6.5°	14383.8
7°	13631.2
7.5°	12749.5
8°	11962.6
8.5°	11170.7
9°	10439.3
9.5°	9768.3
10°	9143.0
12.5°	6565.0
15°	4558.4
17.5°	2978.0
20°	1877.6
22.5°	1216.3
25°	835.9
27.5°	587.8
30°	422.9
32.5°	303.7
35°	215.5
37.5°	150.2
40°	107.8
42.5°	78.4
45°	58.8
47.5°	45.7
50°	31.0
52.5°	19.6
55°	14.7
57.5°	11.4
60°	8.2
62.5°	6.5
65°	4.9



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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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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Scaled Data Report





67.5°		3.3
70°		1.6

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(END OF REPORT)