

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: P761801

Luminaire Tested: LD6D15D010-EU6DR700215IC9030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1409.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



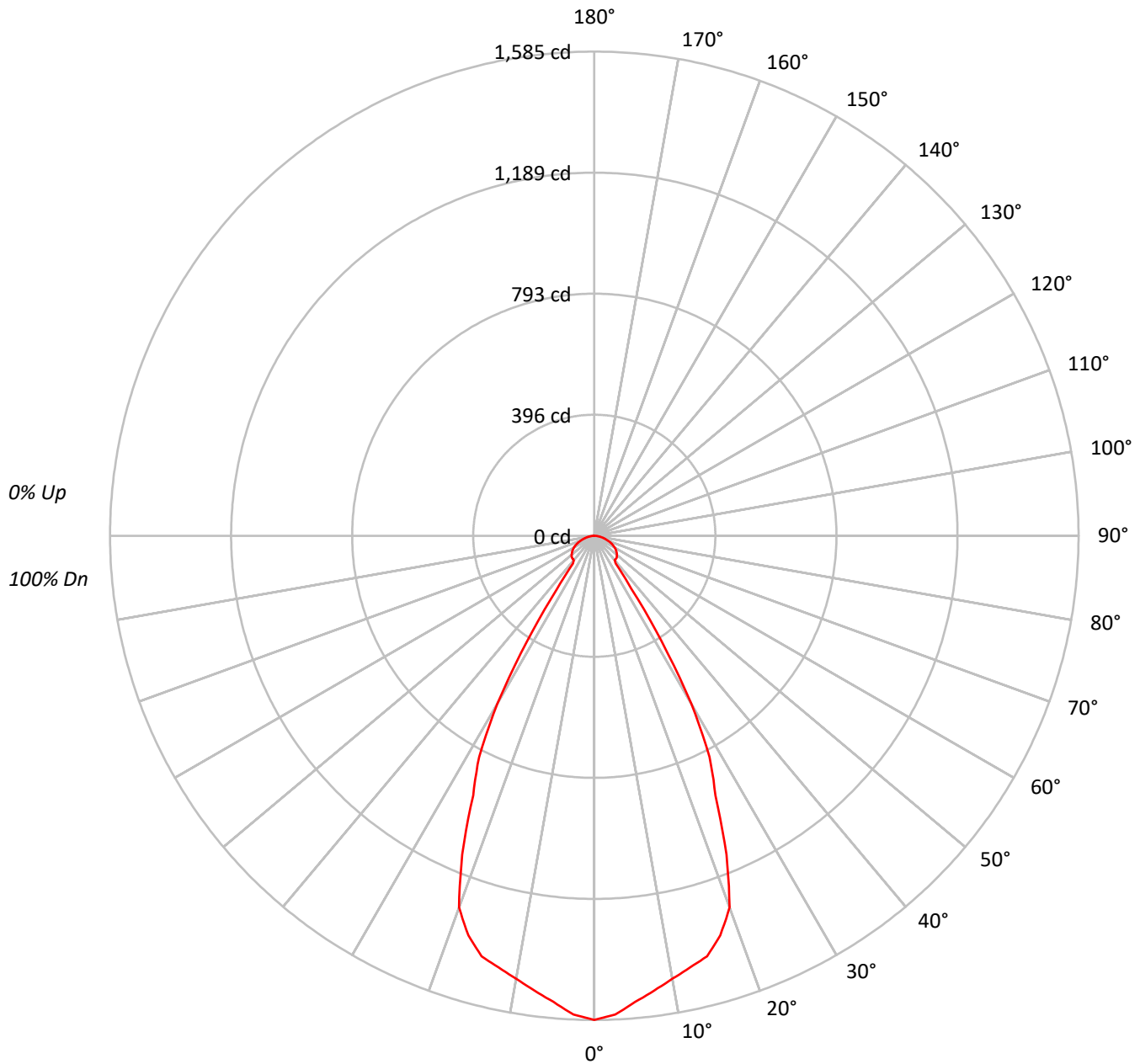
Downlight



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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				
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	91	91				
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83	83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	76	76				
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70				
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	65	65				
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61				
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57				
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53				
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	50	50				
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	173178
5°	168027
10°	163346
15°	161200
20°	150527
25°	113081
30°	79937
35°	28317
40°	14891
45°	15854
50°	16420
55°	16725
60°	16848
65°	16469
70°	15558
75°	14395
80°	12773
85°	10405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 16848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	10.3
10°-20°	396.4	28.1
20°-30°	436.5	31.0
30°-40°	166.8	11.8
40°-50°	78.7	5.6
50°-60°	78.3	5.6
60°-70°	62.7	4.4
70°-80°	36.0	2.6
80°-90°	9.8	0.7
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°	977.4	69.3
0°-40°	1144.2	81.2
0°-60°	1301.2	92.3
0°-90°	1409.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1585	
5°	1532	144
15°	1425	396
25°	938	437
35°	212	167
45°	103	79
55°	88	78
65°	64	63
75°	34	36
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1585.0
2.5°	1568.4
5°	1532.0
7.5°	1501.6
10°	1472.3
12.5°	1447.4
15°	1425.1
17.5°	1371.1
20°	1294.6
22.5°	1129.5
25°	938.0
27.5°	816.6
30°	633.6
32.5°	409.3
35°	212.3
37.5°	114.7
40°	104.4
42.5°	103.6
45°	102.6
47.5°	100.4
50°	96.6
52.5°	92.4
55°	87.8
57.5°	82.8
60°	77.1
62.5°	70.5
65°	63.7
67.5°	56.2
70°	48.7
72.5°	41.1
75°	34.1
77.5°	26.9
80°	20.3
82.5°	14.3
85°	8.3
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)