

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: P760706

Luminaire Tested: LD6D10D010-EU6DR600210IC9050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR600210IC9050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

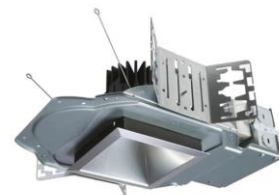
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1004.5 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



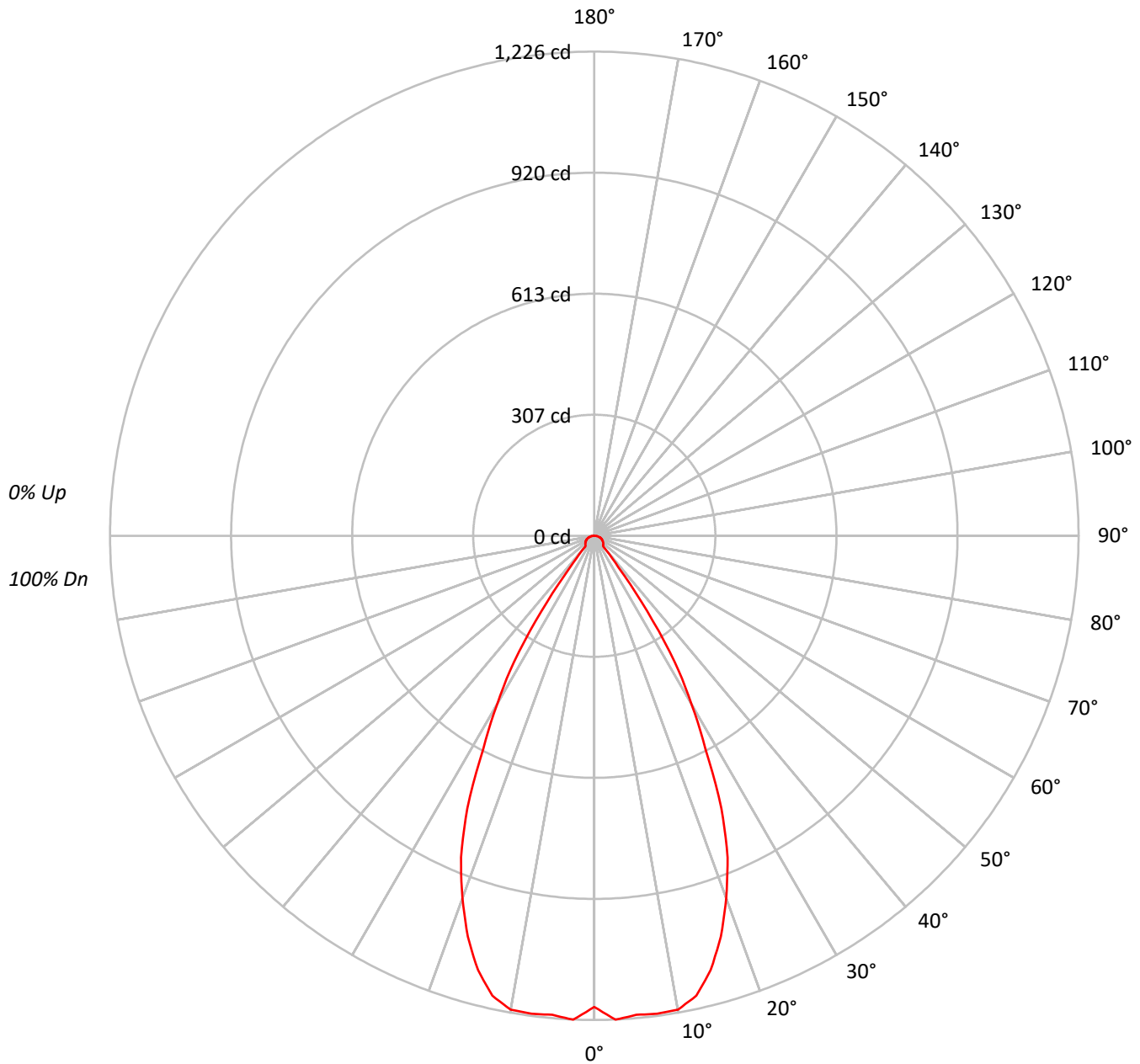
Downlight



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130337
5°	133544
10°	135155
15°	128748
20°	113517
25°	91815
30°	62110
35°	31118
40°	5049
45°	4945
50°	5048
55°	5124
60°	5266
65°	5377
70°	5495
75°	5572
80°	5348
85°	4513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 5572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	11.6
10°-20°	314.8	31.3
20°-30°	338.7	33.7
30°-40°	147.2	14.7
40°-50°	24.7	2.5
50°-60°	24.0	2.4
60°-70°	20.6	2.0
70°-80°	13.8	1.4
80°-90°	4.1	0.4
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°	770.0	76.7
0°-40°	917.2	91.3
0°-60°	966.0	96.2
0°-90°	1004.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1193	
5°	1218	116
15°	1138	315
25°	762	339
35°	233	147
45°	32	25
55°	27	24
65°	21	21
75°	13	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1192.9
2.5°	1226.4
5°	1217.6
7.5°	1220.4
10°	1218.2
12.5°	1193.1
15°	1138.2
17.5°	1064.7
20°	976.3
22.5°	881.8
25°	761.6
27.5°	609.2
30°	492.3
32.5°	379.4
35°	233.3
37.5°	99.8
40°	35.4
42.5°	32.6
45°	32.0
47.5°	30.9
50°	29.7
52.5°	28.2
55°	26.9
57.5°	25.4
60°	24.1
62.5°	22.5
65°	20.8
67.5°	19.1
70°	17.2
72.5°	15.2
75°	13.2
77.5°	10.9
80°	8.5
82.5°	6.1
85°	3.6
87.5°	1.3
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)