

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: P758620

Luminaire Tested: LD6D05D010-EU6DR600210IC9027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P758620
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: LD6D05D010-EU6DR600210IC9027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 581.2 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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



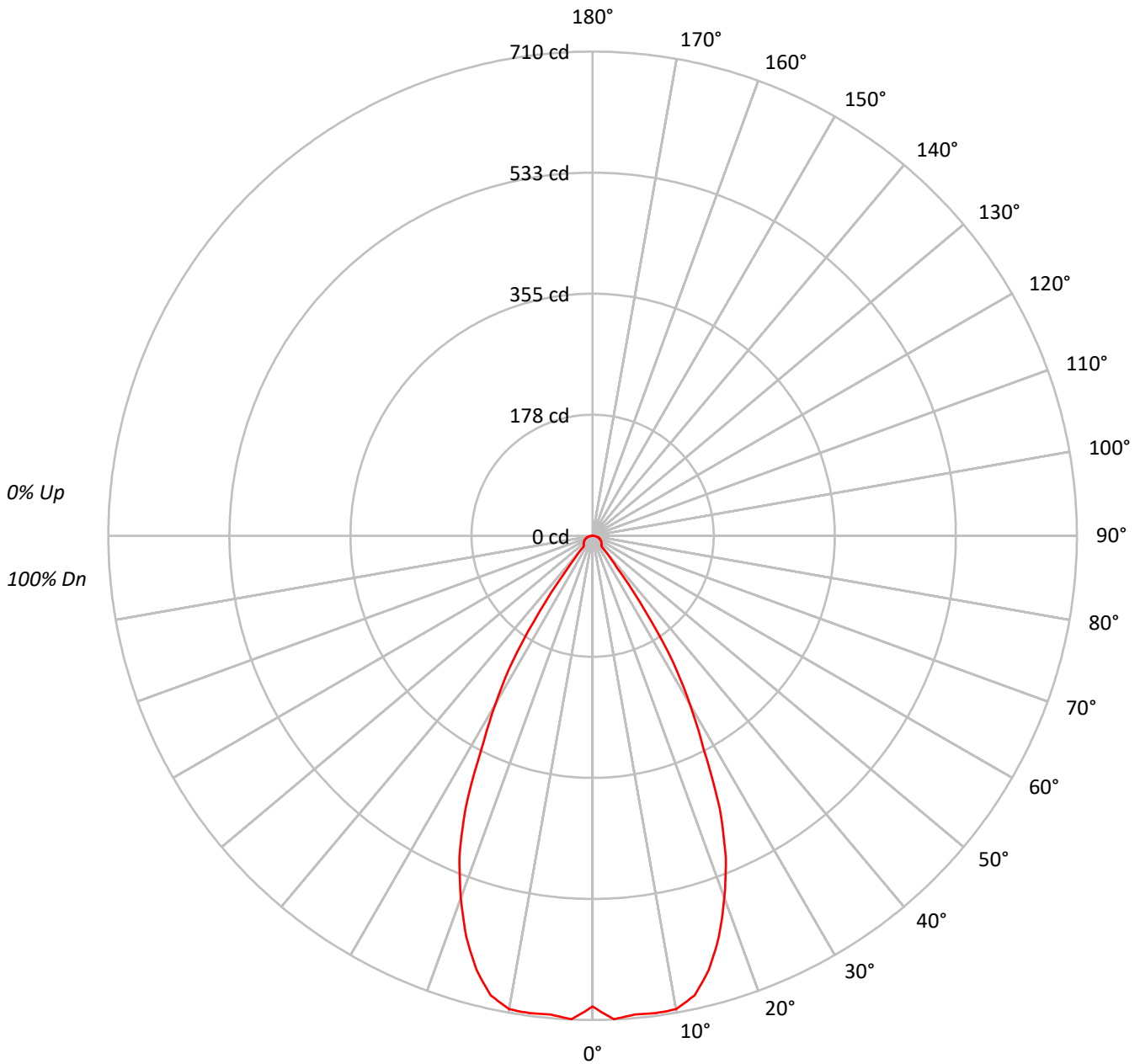
Downlight



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75423
5°	77279
10°	78206
15°	74509
20°	65683
25°	53129
30°	35944
35°	18007
40°	2924
45°	2859
50°	2907
55°	2953
60°	3037
65°	3102
70°	3195
75°	3208
80°	3083
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 3208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	11.6
10°-20°	182.2	31.3
20°-30°	196.0	33.7
30°-40°	85.2	14.7
40°-50°	14.3	2.5
50°-60°	13.9	2.4
60°-70°	11.9	2.0
70°-80°	8.0	1.4
80°-90°	2.4	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°	445.5	76.7
0°-40°	530.8	91.3
0°-60°	559.0	96.2
0°-90°	581.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	690	
5°	705	67
15°	659	182
25°	441	196
35°	135	85
45°	18	14
55°	16	14
65°	12	12
75°	8	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	690.3
2.5°	709.7
5°	704.6
7.5°	706.2
10°	704.9
12.5°	690.3
15°	658.7
17.5°	616.1
20°	564.9
22.5°	510.3
25°	440.7
27.5°	352.5
30°	284.9
32.5°	219.6
35°	135.0
37.5°	57.8
40°	20.5
42.5°	18.9
45°	18.5
47.5°	17.9
50°	17.1
52.5°	16.3
55°	15.5
57.5°	14.7
60°	13.9
62.5°	13.0
65°	12.0
67.5°	11.1
70°	10.0
72.5°	8.8
75°	7.6
77.5°	6.3
80°	4.9
82.5°	3.5
85°	2.1
87.5°	0.7
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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(END OF REPORT)