

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: P758734

Luminaire Tested: LD6D05D010-EU6DR650210IC9040-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P758734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D05D010-EU6DR650210IC9040-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 467.9 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



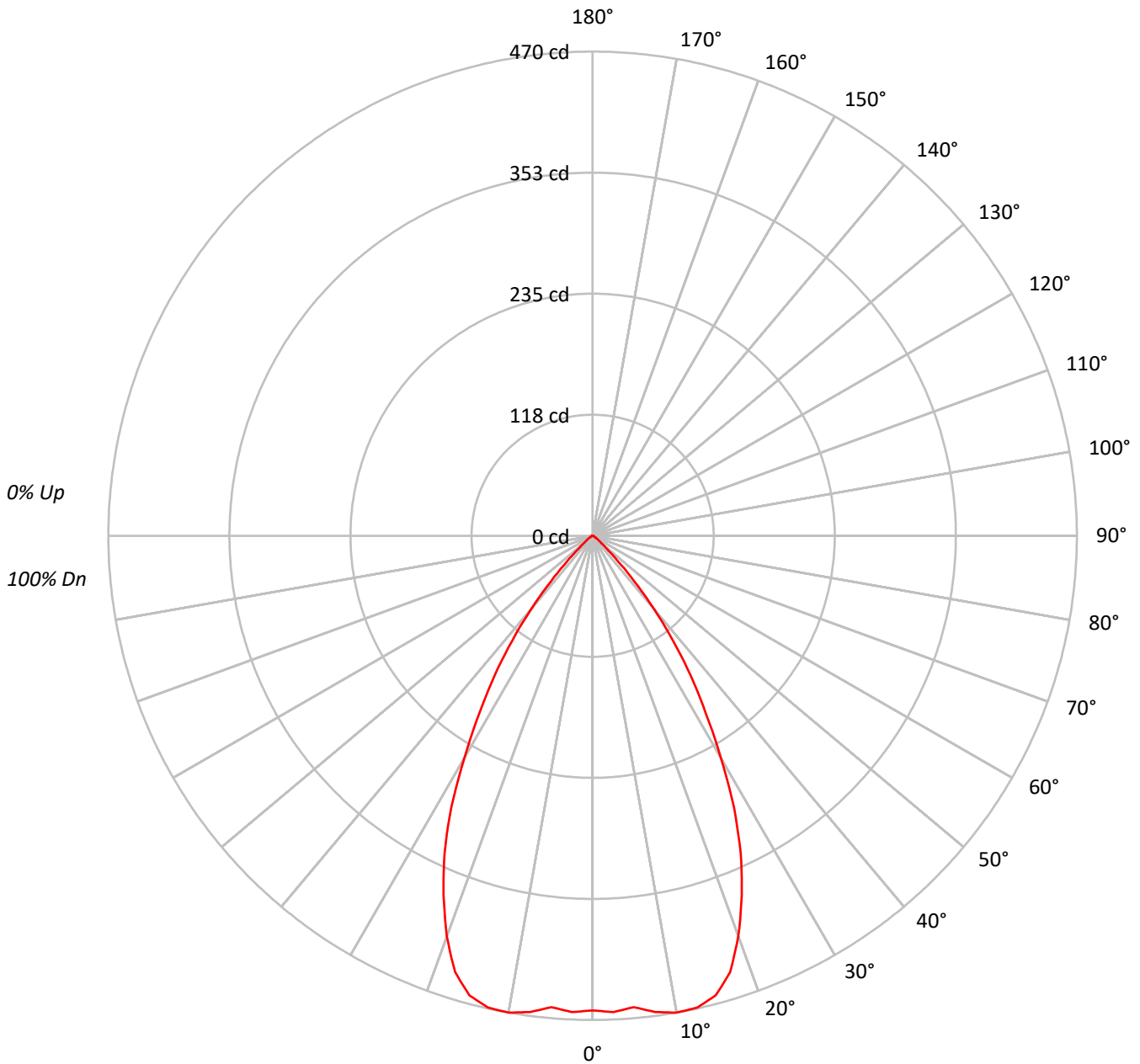
Downlight



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59	54	51	50

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	50336
5°	50375
10°	52145
15°	52237
20°	48090
25°	40977
30°	31377
35°	22168
40°	13079
45°	5315
50°	1921
55°	1067
60°	612
65°	336
70°	351
75°	253
80°	315
85°	251

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5315 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	9.5
10°-20°	128.0	27.3
20°-30°	153.5	32.8
30°-40°	103.2	22.1
40°-50°	30.9	6.6
50°-60°	5.4	1.2
60°-70°	1.5	0.3
70°-80°	0.8	0.2
80°-90°	0.2	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°	325.9	69.6
0°-40°	429.0	91.7
0°-60°	465.4	99.5
0°-90°	467.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	461	
5°	459	44
15°	462	128
25°	340	154
35°	166	103
45°	34	31
55°	6	5
65°	1	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	460.7
2.5°	462.7
5°	459.3
7.5°	466.3
10°	470.0
12.5°	469.1
15°	461.8
17.5°	443.9
20°	413.6
22.5°	378.0
25°	339.9
27.5°	296.9
30°	248.7
32.5°	204.9
35°	166.2
37.5°	127.9
40°	91.7
42.5°	59.9
45°	34.4
47.5°	18.2
50°	11.3
52.5°	7.8
55°	5.6
57.5°	4.1
60°	2.8
62.5°	1.8
65°	1.3
67.5°	1.2
70°	1.1
72.5°	0.9
75°	0.6
77.5°	0.6
80°	0.5
82.5°	0.3
85°	0.2
87.5°	0.1
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)