

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: P770002

Luminaire Tested: LD6D65D010-EU6DR6055659035-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770002  
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: LD6D65D010-EU6DR6055659035-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7267.3 lumens  
Efficiency: N/A  
Efficacy: 99.8 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

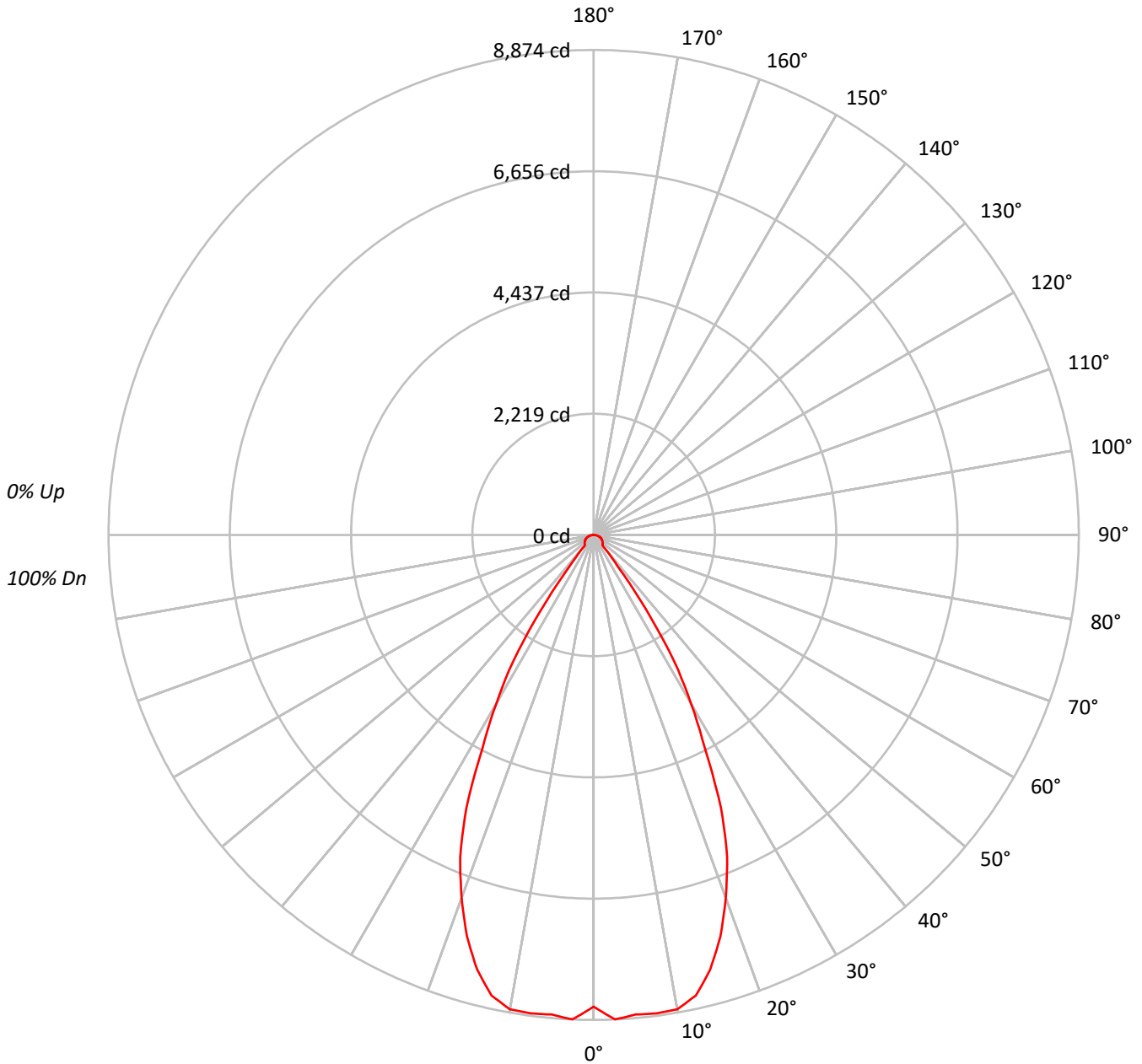
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	943019
5°	966209
10°	977880
15°	931559
20°	821352
25°	664335
30°	449369
35°	225177
40°	36527
45°	35755
50°	36461
55°	37012
60°	38045
65°	38909
70°	39836
75°	40315
80°	38885
85°	32344

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 40315 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	842.0	11.6
10°-20°	2278.0	31.3
20°-30°	2450.9	33.7
30°-40°	1065.4	14.7
40°-50°	178.9	2.5
50°-60°	174.0	2.4
60°-70°	148.8	2.0
70°-80°	99.6	1.4
80°-90°	29.8	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°	5570.9	76.7
0°-40°	6636.2	91.3
0°-60°	6989.2	96.2
0°-90°	7267.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7267.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8631	
5°	8810	842
15°	8236	2278
25°	5511	2451
35°	1688	1065
45°	231	179
55°	194	174
65°	150	149
75°	96	100
85°	26	30
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8630.9
2.5°	8873.5
5°	8809.5
7.5°	8829.7
10°	8814.0
12.5°	8632.0
15°	8235.5
17.5°	7703.1
20°	7064.0
22.5°	6379.9
25°	5510.6
27.5°	4407.5
30°	3561.8
32.5°	2745.2
35°	1688.2
37.5°	722.2
40°	256.1
42.5°	235.9
45°	231.4
47.5°	223.5
50°	214.5
52.5°	204.4
55°	194.3
57.5°	184.2
60°	174.1
62.5°	162.9
65°	150.5
67.5°	138.2
70°	124.7
72.5°	110.1
75°	95.5
77.5°	78.6
80°	61.8
82.5°	43.8
85°	25.8
87.5°	9.0
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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(END OF REPORT)