

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: P770083

Luminaire Tested: LD6D65D010-EU6DR6555659035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR6555659035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7749.9 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

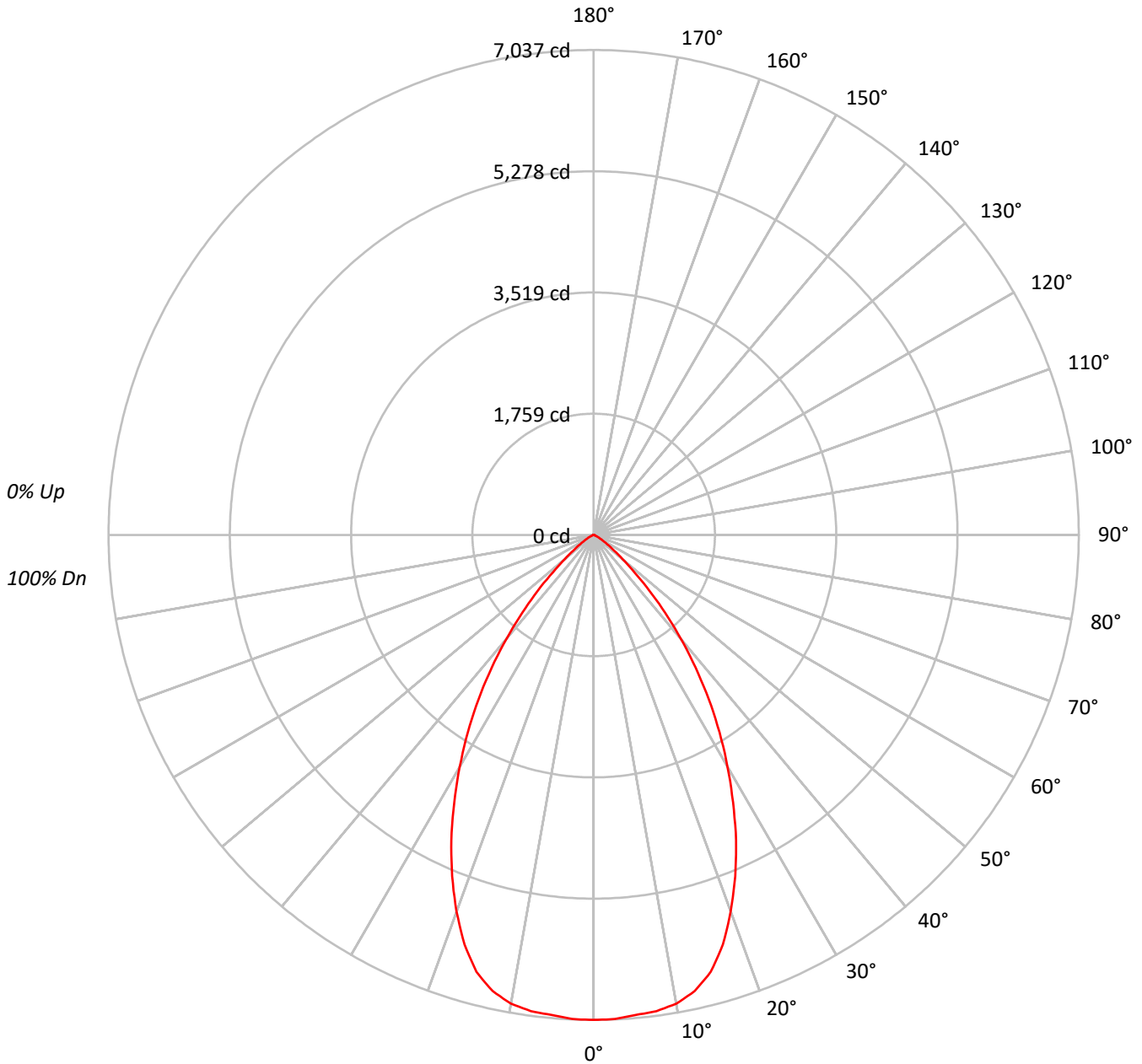
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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	
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93	
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85	
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78	
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72	
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66	
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61	
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56	
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52	
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49	
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46	

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

	0°
0°	410971
5°	409937
10°	409583
15°	396959
20°	361383
25°	314919
30°	261926
35°	207541
40°	149790
45°	94630
50°	49328
55°	26220
60°	13772
65°	7573
70°	3176
75°	3498
80°	2422
85°	2077

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 94630 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	665.4	8.6
10°-20°	1822.3	23.5
20°-30°	2227.4	28.7
30°-40°	1807.3	23.3
40°-50°	900.6	11.6
50°-60°	251.2	3.2
60°-70°	57.1	0.7
70°-80°	14.8	0.2
80°-90°	3.8	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°	4715.1	60.8
0°-40°	6522.4	84.2
0°-60°	7674.2	99.0
0°-90°	7749.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7749.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7037	
5°	6992	665
15°	6565	1822
25°	4887	2227
35°	2911	1807
45°	1146	901
55°	258	251
65°	55	57
75°	16	15
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7036.7
2.5°	7031.5
5°	6992.3
7.5°	6969.5
10°	6906.4
12.5°	6778.2
15°	6565.2
17.5°	6232.2
20°	5814.5
22.5°	5363.6
25°	4886.9
27.5°	4377.1
30°	3883.9
32.5°	3396.9
35°	2910.9
37.5°	2425.9
40°	1964.7
42.5°	1532.5
45°	1145.7
47.5°	798.3
50°	542.9
52.5°	374.3
55°	257.5
57.5°	173.7
60°	117.9
62.5°	81.7
65°	54.8
67.5°	27.9
70°	18.6
72.5°	17.6
75°	15.5
77.5°	10.3
80°	7.2
82.5°	5.2
85°	3.1
87.5°	2.1
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)