

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: P751472

Luminaire Tested: LD4D65D010-EU4DR3055659035-4LBS1H

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR3055659035-4LBS1H  
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6912.3 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

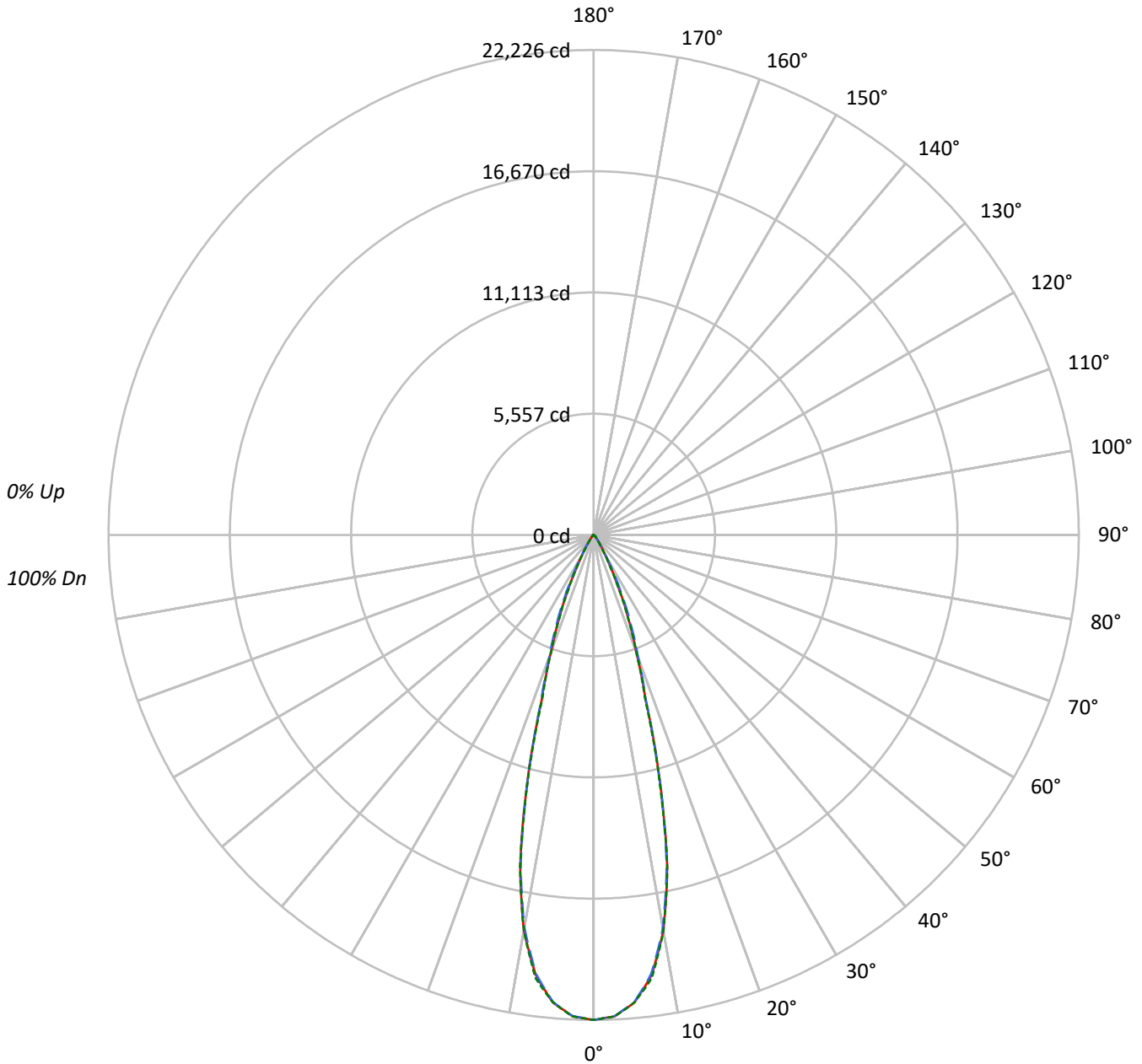
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	1701276	1701276	1701276
5°	1652438	1650509	1652522
10°	1431260	1421164	1430918
15°	933830	928814	924138
20°	464347	481770	463728
25°	233910	263765	229113
30°	93652	102040	81597
35°	43441	41600	34873
40°	18755	20823	17666
45°	13228	16421	13347
50°	4549	11956	4811
55°	2616	4951	2762
60°	1837	2174	1837
65°	1177	1177	1177
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16421 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1954.5	28.3
10°-20°	3147.7	45.5
20°-30°	1360.2	19.7
30°-40°	310.0	4.5
40°-50°	106.5	1.5
50°-60°	26.0	0.4
60°-70°	6.7	0.1
70°-80°	0.7	0.0
80°-90°	0.0	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°	6462.3	93.5
0°-40°	6772.4	98.0
0°-60°	6904.8	99.9
0°-90°	6912.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6912.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22226	22226	22226	22226	22226	
5°	21506	21485	21481	21526	21507	1956
15°	11784	11642	11721	11683	11662	3155
25°	2770	2874	3123	2801	2713	1326
35°	465	475	445	442	373	315
45°	122	152	152	152	123	87
55°	20	21	37	22	21	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	22226.3	22226.3	22226.3	22226.3	22226.3
2.5°	22079.0	22063.7	22072.4	22083.3	22087.7
5°	21506.1	21485.3	21481.0	21525.7	21507.2
7.5°	20350.5	20321.0	20276.2	20377.7	20472.7
10°	18414.6	18381.9	18284.7	18332.8	18410.2
12.5°	15556.7	15450.8	15448.6	15601.4	15580.7
15°	11784.3	11642.4	11721.0	11682.8	11662.0
17.5°	7924.6	7870.0	7974.7	7943.1	7806.7
20°	5700.6	5714.8	5914.5	5814.1	5693.0
22.5°	4159.8	4211.1	4447.9	4189.3	4094.3
25°	2769.6	2874.3	3123.1	2801.2	2712.8
27.5°	1703.4	1751.4	2003.5	1681.6	1633.6
30°	1059.6	1035.6	1154.5	990.8	923.2
32.5°	695.1	664.6	702.8	630.7	576.2
35°	464.9	474.7	445.2	442.0	373.2
37.5°	290.3	333.9	294.6	314.3	240.1
40°	187.7	242.3	208.4	230.3	176.8
42.5°	153.9	186.6	171.3	182.2	157.1
45°	122.2	151.7	151.7	151.7	123.3
47.5°	67.7	101.5	129.9	103.7	72.0
50°	38.2	51.3	100.4	53.5	40.4
52.5°	26.2	29.5	68.7	30.6	27.3
55°	19.6	20.7	37.1	21.8	20.7
57.5°	15.3	16.4	19.6	16.4	15.3
60°	12.0	12.0	14.2	13.1	12.0
62.5°	8.7	8.7	9.8	8.7	8.7
65°	6.5	6.5	6.5	6.5	6.5
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)