

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: P769565

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR3055659050-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6255.9 lumens  
Efficiency: N/A  
Efficacy: 85.9 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

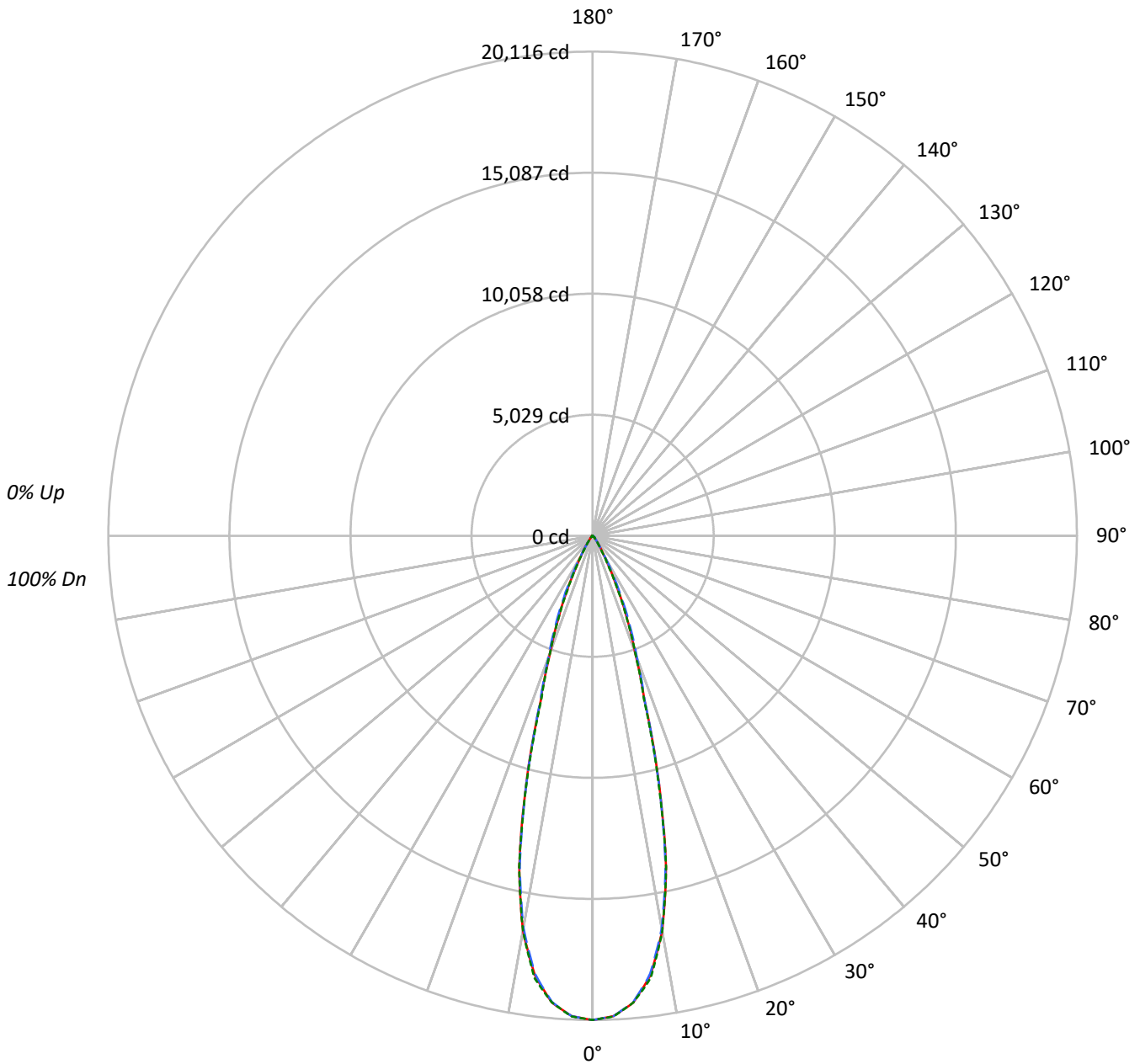
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°	45°	90°
0°	1539716	1539716	1539716
5°	1495516	1493772	1495593
10°	1295344	1286211	1295033
15°	845148	840608	836384
20°	420255	436017	419693
25°	211698	238716	207357
30°	84761	92353	73845
35°	39311	37648	31565
40°	16976	18845	15987
45°	11972	14863	12081
50°	4120	10824	4346
55°	2375	4484	2509
60°	1669	1960	1669
65°	1069	1069	1069
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14863 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1768.9	28.3
10°-20°	2848.8	45.5
20°-30°	1231.0	19.7
30°-40°	280.6	4.5
40°-50°	96.3	1.5
50°-60°	23.5	0.4
60°-70°	6.1	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°	5848.7	93.5
0°-40°	6129.2	98.0
0°-60°	6249.1	99.9
0°-90°	6255.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6255.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20116	20116	20116	20116	20116	
5°	19464	19445	19441	19482	19465	1770
15°	10665	10537	10608	10573	10555	2856
25°	2507	2601	2826	2535	2455	1200
35°	421	430	403	400	338	285
45°	111	137	137	137	112	79
55°	18	19	34	20	19	17
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°	20115.6	20115.6	20115.6	20115.6	20115.6
2.5°	19982.3	19968.5	19976.4	19986.2	19990.2
5°	19463.8	19445.0	19441.1	19481.6	19464.8
7.5°	18417.9	18391.3	18350.8	18442.6	18528.5
10°	16665.9	16636.3	16548.4	16591.8	16661.9
12.5°	14079.4	13983.6	13981.6	14119.8	14101.1
15°	10665.2	10536.8	10607.9	10573.3	10554.6
17.5°	7172.0	7122.6	7217.4	7188.8	7065.4
20°	5159.3	5172.1	5352.8	5262.0	5152.4
22.5°	3764.8	3811.2	4025.5	3791.4	3705.5
25°	2506.6	2601.4	2826.5	2535.2	2455.2
27.5°	1541.7	1585.1	1813.2	1521.9	1478.5
30°	959.0	937.2	1044.9	896.7	835.5
32.5°	629.1	601.5	636.0	570.8	521.5
35°	420.7	429.6	402.9	400.0	337.8
37.5°	262.7	302.2	266.7	284.4	217.3
40°	169.9	219.2	188.6	208.4	160.0
42.5°	139.3	168.9	155.1	164.9	142.2
45°	110.6	137.3	137.3	137.3	111.6
47.5°	61.2	91.8	117.5	93.8	65.2
50°	34.6	46.4	90.9	48.4	36.5
52.5°	23.7	26.7	62.2	27.7	24.7
55°	17.8	18.8	33.6	19.8	18.8
57.5°	13.8	14.8	17.8	14.8	13.8
60°	10.9	10.9	12.8	11.9	10.9
62.5°	7.9	7.9	8.9	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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