

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



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: CORELITE

Report Number: P622038

Luminaire Tested: VLT-WB-M-0U-075D-940-UNV-STD-W-4

Issue Date: 9/2/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P622038  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2203-563-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/28/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: VLT-WB-M-0U-075D-940-UNV-STD-W-4  
Description: CORELITE VAULT SUSPENDED LED LUMINAIRE  
WHITE BAFFLE WITH MEDIUM OPTIC  
DOWNLIGHT 750 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

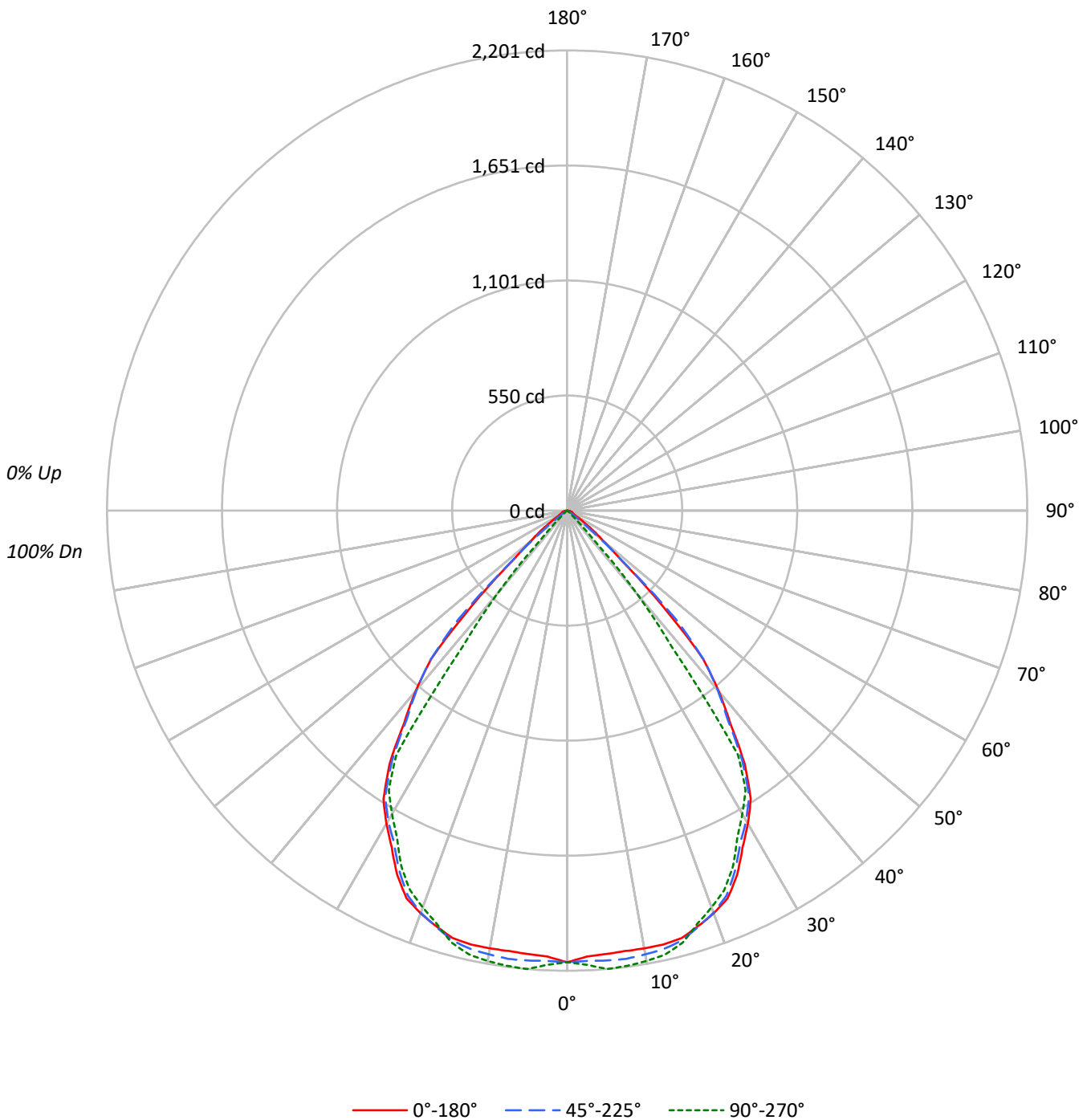
Lumens per Lamp: N/A  
Luminaire Lumens: 2996.1 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.16 / 1.14  
Luminous Opening: Rectangular (W 0.38' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
Input Voltage (V): 120  
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



TEST NUMBER: P622038  
CATALOG NUMBER: VLT-WB-M-0U-075D-940-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P622038

CATALOG NUMBER: VLT-WB-M-0U-075D-940-UNV-STD-W-4

**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	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	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77					77			
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71					71			
5	89	80	73	68	87	79	73	68	77	72	67	75	71	67	74	69	66	65					65			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55					55			
8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50					50			
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47					47			
10	67	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43					43			

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

	0°	45°	90°
0°	15499	15499	15499
5°	15338	15559	15856
10°	15494	15705	15939
15°	15728	15808	15887
20°	15653	15630	15420
25°	15226	15044	14862
30°	14325	14186	13882
35°	12976	12788	12480
40°	10553	10481	4954
45°	6530	7446	341
50°	2492	1996	204
55°	1224	363	76
60°	593	175	22
65°	545	25	25
70°	514	31	31
75°	507	42	42
80°	504	62	0
85°	502	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7446 cd/sqm



TEST NUMBER: P622038

CATALOG NUMBER: VLT-WB-M-0U-075D-940-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.3	6.9
10°-20°	598.4	20.0
20°-30°	870.0	29.0
30°-40°	865.8	28.9
40°-50°	380.7	12.7
50°-60°	56.2	1.9
60°-70°	12.8	0.4
70°-80°	4.8	0.2
80°-90°	1.1	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°	1674.7	55.9
0°-40°	2540.5	84.8
0°-60°	2977.4	99.4
0°-90°	2996.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2996.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2160	2160	2160	2160	2160	
5°	2129	2167	2160	2165	2201	203
15°	2117	2162	2128	2107	2138	595
25°	1923	1959	1900	1850	1877	879
35°	1481	1477	1460	1429	1425	907
45°	644	732	734	49	34	498
55°	98	105	29	11	6	99
65°	32	28	2	2	2	32
75°	18	3	2	2	2	19
85°	6	0	0	0	0	7
90°	0	0	0	0	0	



TEST NUMBER: P622038

CATALOG NUMBER: VLT-WB-M-0U-075D-940-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2159.9	2159.9	2159.9	2159.9	2159.9
2.5°	2135.4	2167.7	2156.2	2155.4	2174.6
5°	2129.3	2166.7	2159.9	2165.3	2201.2
7.5°	2125.0	2162.7	2162.6	2160.1	2196.0
10°	2126.3	2165.1	2155.3	2151.5	2187.4
12.5°	2126.3	2167.5	2146.8	2136.9	2174.0
15°	2117.1	2161.9	2127.8	2107.1	2138.5
17.5°	2084.1	2132.8	2085.9	2045.5	2071.9
20°	2049.8	2102.2	2046.8	1995.4	2019.3
22.5°	2007.0	2053.4	1993.0	1939.1	1964.2
25°	1923.0	1958.8	1900.0	1850.2	1877.1
27.5°	1816.9	1836.6	1792.7	1744.8	1762.2
30°	1728.8	1743.8	1712.0	1666.4	1675.3
32.5°	1634.7	1644.8	1619.1	1579.5	1587.3
35°	1481.2	1476.7	1459.8	1429.1	1424.6
37.5°	1280.7	1272.9	1262.0	1143.4	819.9
40°	1126.6	1129.6	1118.9	699.3	528.9
42.5°	963.9	982.5	967.3	476.1	173.0
45°	643.5	731.7	733.7	48.6	33.6
47.5°	347.9	443.9	361.1	30.1	24.5
50°	223.2	278.5	178.8	22.8	18.3
52.5°	159.6	186.2	70.0	17.9	13.5
55°	97.8	105.3	29.0	10.6	6.1
57.5°	58.4	69.5	18.3	3.9	1.5
60°	41.3	48.7	12.2	1.5	1.5
62.5°	36.4	36.7	8.6	1.5	1.5
65°	32.1	27.6	1.5	1.5	1.5
67.5°	28.1	20.1	1.5	1.5	1.5
70°	24.5	14.0	1.5	1.5	1.5
72.5°	22.0	9.2	1.5	1.5	1.5
75°	18.3	3.4	1.5	1.5	1.5
77.5°	14.7	1.8	1.5	1.2	1.2
80°	12.2	1.8	1.5	0.0	0.0
82.5°	9.8	1.7	0.3	0.0	0.0
85°	6.1	0.1	0.0	0.0	0.0
87.5°	2.4	0.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P622038

CATALOG NUMBER: VLT-WB-M-OU-075D-940-UNV-STD-W-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	5.76	6.85	6.13	7.16	7.47	0.00	0.00	0.00	0.00	0.00
	3H	6.22	7.17	6.60	7.50	7.87	0.00	0.00	0.00	0.00	0.00
	4H	6.39	7.27	6.80	7.62	8.01	0.00	0.00	0.00	0.00	0.00
	6H	6.59	7.39	7.00	7.76	8.16	0.00	0.00	0.00	0.00	0.00
	8H	6.68	7.43	7.11	7.82	8.23	0.00	0.00	0.00	0.00	0.00
	12H	6.75	7.47	7.18	7.85	8.28	0.00	0.00	0.00	0.00	0.00
4H	2H	5.49	6.37	5.90	6.72	7.11	0.00	0.00	0.00	0.00	0.00
	3H	5.99	6.69	6.40	7.10	7.51	0.00	0.00	0.00	0.00	0.00
	4H	6.16	6.79	6.60	7.21	7.66	0.00	0.00	0.00	0.00	0.00
	6H	6.40	6.94	6.87	7.38	7.86	0.00	0.00	0.00	0.00	0.00
	8H	6.51	7.01	6.99	7.46	7.94	0.00	0.00	0.00	0.00	0.00
	12H	6.63	7.06	7.12	7.55	8.03	0.00	0.00	0.00	0.00	0.00
8H	4H	5.99	6.49	6.47	6.94	7.42	0.00	0.00	0.00	0.00	0.00
	6H	6.22	6.62	6.73	7.12	7.61	0.00	0.00	0.00	0.00	0.00
	8H	6.34	6.70	6.87	7.22	7.72	0.00	0.00	0.00	0.00	0.00
	12H	6.49	6.80	7.01	7.30	7.88	0.00	0.00	0.00	0.00	0.00
12H	4H	5.93	6.36	6.42	6.85	7.33	0.00	0.00	0.00	0.00	0.00
	6H	6.15	6.51	6.68	7.03	7.52	0.00	0.00	0.00	0.00	0.00
	8H	6.29	6.60	6.81	7.10	7.68	0.00	0.00	0.00	0.00	0.00