

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: P622042

Luminaire Tested: VLT-WB-M-0U-125D-930-UNV-STD-W-4

Issue Date: 9/2/2020

Test Information

Test Method: LM-79-2019
Report Number: P622042
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-125D-930-UNV-STD-W-4
Description: CORELITE VAULT SUSPENDED LED LUMINAIRE
WHITE BAFFLE WITH MEDIUM OPTIC
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

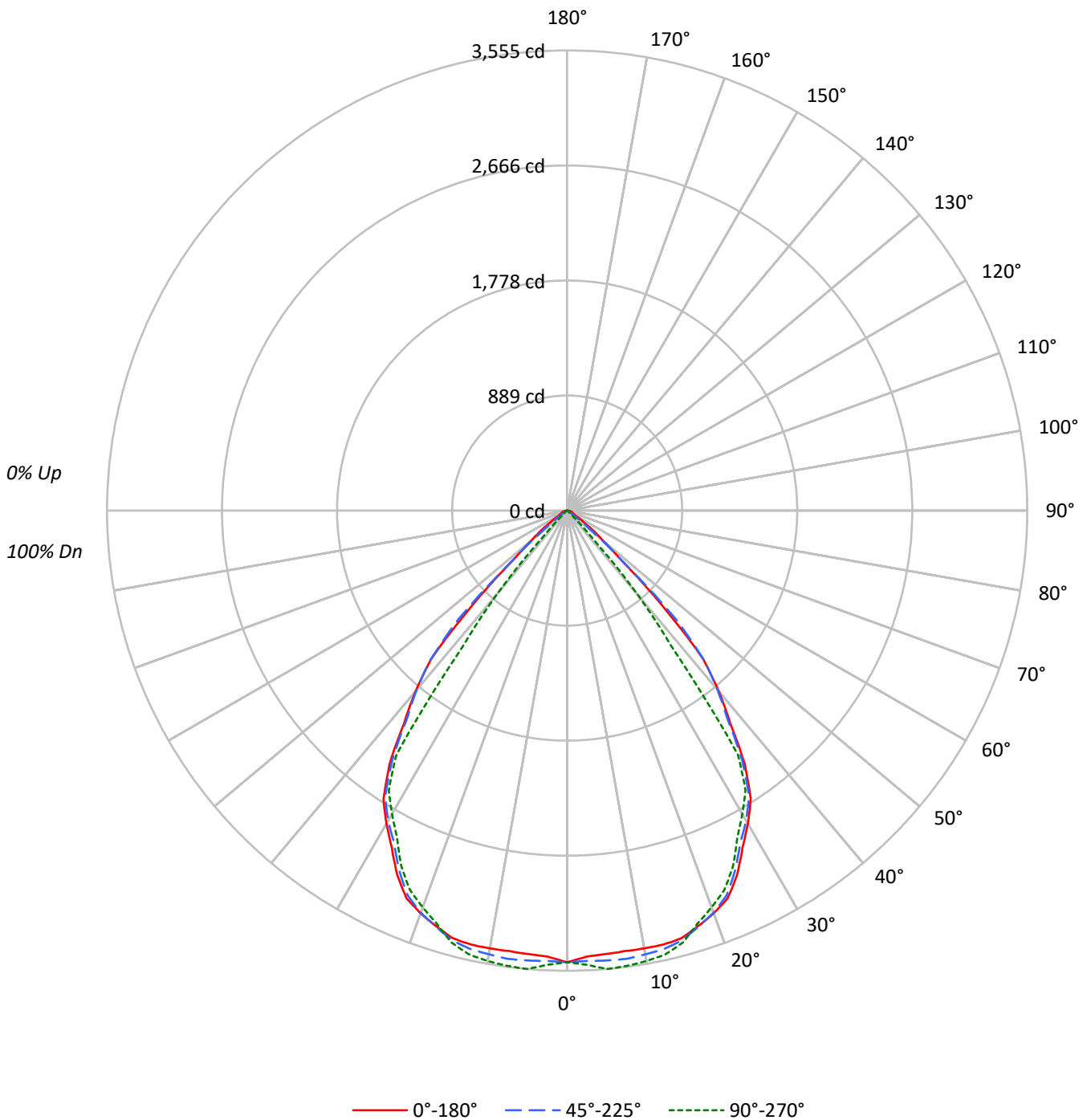
Lumens per Lamp: N/A
Luminaire Lumens: 4839.4 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.16 / 1.14
Luminous Opening: Rectangular (W 0.38' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.5
Input Voltage (V): 120
Input Current (A_{in}): 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					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	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°	25035	25035	25035
5°	24774	25130	25611
10°	25025	25367	25744
15°	25404	25532	25661
20°	25284	25246	24906
25°	24593	24300	24006
30°	23138	22913	22422
35°	20959	20656	20158
40°	17045	16930	8003
45°	10548	12027	551
50°	4025	3225	330
55°	1977	587	124
60°	957	284	36
65°	880	42	42
70°	829	52	52
75°	821	69	69
80°	818	103	0
85°	815	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 12027 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.2	6.9
10°-20°	966.5	20.0
20°-30°	1405.3	29.0
30°-40°	1398.5	28.9
40°-50°	615.0	12.7
50°-60°	90.8	1.9
60°-70°	20.7	0.4
70°-80°	7.7	0.2
80°-90°	1.8	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°	2705.0	55.9
0°-40°	4103.4	84.8
0°-60°	4809.2	99.4
0°-90°	4839.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4839.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3489	3489	3489	3489	3489	
5°	3439	3500	3489	3497	3555	328
15°	3420	3492	3437	3403	3454	961
25°	3106	3164	3069	2988	3032	1420
35°	2392	2385	2358	2308	2301	1465
45°	1039	1182	1185	78	54	805
55°	158	170	47	17	10	160
65°	52	45	2	2	2	52
75°	30	6	2	2	2	31
85°	10	0	0	0	0	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3488.7	3488.7	3488.7	3488.7	3488.7
2.5°	3449.2	3501.3	3482.8	3481.5	3512.4
5°	3439.3	3499.7	3488.7	3497.4	3555.4
7.5°	3432.4	3493.2	3493.1	3489.0	3547.0
10°	3434.4	3497.1	3481.3	3475.2	3533.1
12.5°	3434.4	3501.0	3467.5	3451.5	3511.4
15°	3419.6	3492.0	3436.8	3403.4	3454.1
17.5°	3366.2	3444.9	3369.2	3304.0	3346.5
20°	3310.9	3395.4	3306.0	3222.9	3261.5
22.5°	3241.8	3316.6	3219.1	3132.1	3172.7
25°	3106.0	3163.9	3069.0	2988.5	3031.9
27.5°	2934.6	2966.5	2895.6	2818.3	2846.3
30°	2792.4	2816.6	2765.3	2691.5	2706.0
32.5°	2640.3	2656.8	2615.2	2551.3	2563.8
35°	2392.5	2385.2	2357.9	2308.3	2301.1
37.5°	2068.5	2056.0	2038.4	1846.8	1324.4
40°	1819.6	1824.5	1807.3	1129.5	854.3
42.5°	1556.9	1586.9	1562.4	769.1	279.5
45°	1039.4	1181.9	1185.1	78.5	54.3
47.5°	561.9	716.9	583.2	48.7	39.5
50°	360.5	449.8	288.9	36.9	29.6
52.5°	257.8	300.7	113.1	29.0	21.7
55°	158.0	170.1	46.9	17.1	9.9
57.5°	94.3	112.2	29.6	6.3	2.5
60°	66.7	78.7	19.8	2.5	2.5
62.5°	58.8	59.2	13.8	2.5	2.5
65°	51.8	44.6	2.5	2.5	2.5
67.5°	45.4	32.4	2.5	2.5	2.5
70°	39.5	22.6	2.5	2.5	2.5
72.5°	35.6	14.8	2.5	2.5	2.5
75°	29.6	5.5	2.5	2.5	2.5
77.5°	23.7	2.9	2.5	2.0	2.0
80°	19.8	2.9	2.5	0.0	0.0
82.5°	15.8	2.8	0.5	0.0	0.0
85°	9.9	0.2	0.0	0.0	0.0
87.5°	4.0	0.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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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	7.43	8.51	7.80	8.83	9.14	0.00	0.00	0.00	0.00	0.00
	3H	7.89	8.84	8.27	9.17	9.54	0.00	0.00	0.00	0.00	0.00
	4H	8.06	8.94	8.47	9.29	9.68	0.00	0.00	0.00	0.00	0.00
	6H	8.25	9.06	8.67	9.43	9.83	0.00	0.00	0.00	0.00	0.00
	8H	8.35	9.10	8.78	9.49	9.90	0.00	0.00	0.00	0.00	0.00
	12H	8.42	9.14	8.85	9.52	9.95	0.00	0.00	0.00	0.00	0.00
4H	2H	7.16	8.04	7.57	8.39	8.78	0.00	0.00	0.00	0.00	0.00
	3H	7.65	8.36	8.07	8.77	9.17	0.00	0.00	0.00	0.00	0.00
	4H	7.83	8.46	8.26	8.88	9.33	0.00	0.00	0.00	0.00	0.00
	6H	8.07	8.60	8.54	9.05	9.53	0.00	0.00	0.00	0.00	0.00
	8H	8.18	8.68	8.66	9.13	9.61	0.00	0.00	0.00	0.00	0.00
	12H	8.30	8.74	8.79	9.22	9.70	0.00	0.00	0.00	0.00	0.00
8H	4H	7.66	8.16	8.13	8.61	9.08	0.00	0.00	0.00	0.00	0.00
	6H	7.89	8.29	8.40	8.79	9.28	0.00	0.00	0.00	0.00	0.00
	8H	8.01	8.37	8.54	8.89	9.39	0.00	0.00	0.00	0.00	0.00
	12H	8.16	8.48	8.68	8.97	9.55	0.00	0.00	0.00	0.00	0.00
12H	4H	7.60	8.03	8.09	8.52	9.00	0.00	0.00	0.00	0.00	0.00
	6H	7.82	8.18	8.35	8.70	9.19	0.00	0.00	0.00	0.00	0.00
	8H	7.96	8.27	8.48	8.77	9.35	0.00	0.00	0.00	0.00	0.00