

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: P622043

Luminaire Tested: VLT-WB-M-0U-125D-935-UNV-STD-W-4

Issue Date: 9/2/2020

Test Information

Test Method: LM-79-2019
Report Number: P622043
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-935-UNV-STD-W-4
Description: CORELITE VAULT SUSPENDED LED LUMINAIRE
WHITE BAFFLE WITH MEDIUM OPTIC
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

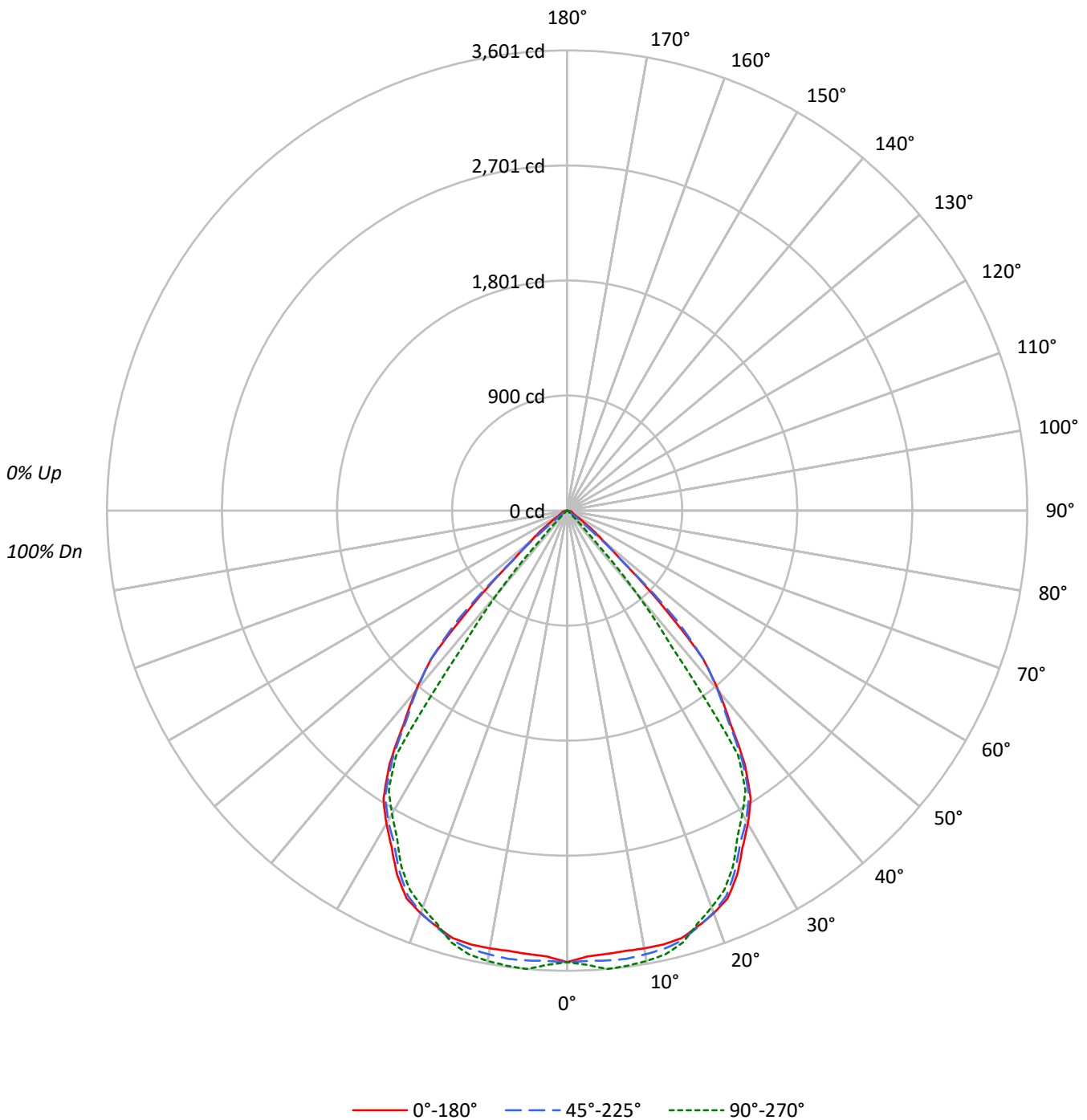
Lumens per Lamp: N/A
Luminaire Lumens: 4901.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.16 / 1.14
Luminous Opening: Rectangular (W 0.38' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	107	101	97	93	104	100	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		84	81	79	77
4	95	86	80	75	93	85	79	75	83	78	74		81	77	73		79	75	72	71
5	89	80	73	68	87	79	73	68	77	72	67		75	71	67		74	69	66	65
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69	64	61	59
7	79	69	62	57	77	68	62	57	67	61	57		65	60	56		64	60	56	55
8	74	64	57	53	73	63	57	53	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25358	25358	25358
5°	25094	25454	25941
10°	25347	25694	26077
15°	25731	25861	25991
20°	25610	25572	25228
25°	24909	24612	24315
30°	23436	23208	22711
35°	21229	20922	20418
40°	17265	17148	8106
45°	10684	12182	558
50°	4076	3267	335
55°	2003	594	125
60°	969	287	36
65°	891	42	42
70°	839	52	52
75°	832	69	69
80°	826	103	0
85°	823	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 12182 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.5	6.9
10°-20°	979.0	20.0
20°-30°	1423.4	29.0
30°-40°	1416.5	28.9
40°-50°	622.9	12.7
50°-60°	91.9	1.9
60°-70°	21.0	0.4
70°-80°	7.8	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°	2739.8	55.9
0°-40°	4156.3	84.8
0°-60°	4871.1	99.4
0°-90°	4901.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4901.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3534	3534	3534	3534	3534	
5°	3484	3545	3534	3542	3601	332
15°	3464	3537	3481	3447	3499	974
25°	3146	3205	3108	3027	3071	1438
35°	2423	2416	2388	2338	2331	1484
45°	1053	1197	1200	80	55	815
55°	160	172	48	17	10	162
65°	52	45	2	2	2	52
75°	30	6	2	2	2	32
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°	3533.7	3533.7	3533.7	3533.7	3533.7
2.5°	3493.6	3546.5	3527.7	3526.4	3557.7
5°	3483.6	3544.8	3533.7	3542.5	3601.2
7.5°	3476.6	3538.3	3538.2	3534.0	3592.7
10°	3478.6	3542.2	3526.2	3520.0	3578.7
12.5°	3478.6	3546.1	3512.1	3496.0	3556.7
15°	3463.6	3537.0	3481.1	3447.3	3498.6
17.5°	3409.6	3489.3	3412.6	3346.6	3389.6
20°	3353.6	3439.2	3348.6	3264.5	3303.6
22.5°	3283.6	3359.4	3260.6	3172.5	3213.5
25°	3146.0	3204.7	3108.5	3027.0	3071.0
27.5°	2972.5	3004.7	2933.0	2854.6	2882.9
30°	2828.4	2852.9	2800.9	2726.2	2740.9
32.5°	2674.4	2691.0	2648.9	2584.1	2596.8
35°	2423.3	2416.0	2388.3	2338.1	2330.8
37.5°	2095.2	2082.5	2064.7	1870.6	1341.4
40°	1843.1	1848.0	1830.6	1144.0	865.3
42.5°	1577.0	1607.3	1582.5	779.0	283.1
45°	1052.8	1197.1	1200.4	79.5	55.0
47.5°	569.2	726.2	590.7	49.3	40.0
50°	365.1	455.6	292.6	37.3	30.0
52.5°	261.1	304.6	114.5	29.3	22.0
55°	160.1	172.3	47.5	17.3	10.0
57.5°	95.5	113.6	30.0	6.4	2.5
60°	67.5	79.7	20.0	2.5	2.5
62.5°	59.5	60.0	14.0	2.5	2.5
65°	52.5	45.2	2.5	2.5	2.5
67.5°	46.0	32.8	2.5	2.5	2.5
70°	40.0	22.9	2.5	2.5	2.5
72.5°	36.0	15.0	2.5	2.5	2.5
75°	30.0	5.6	2.5	2.5	2.5
77.5°	24.0	3.0	2.5	2.0	2.0
80°	20.0	2.9	2.5	0.0	0.0
82.5°	16.0	2.8	0.5	0.0	0.0
85°	10.0	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	7.48	8.56	7.84	8.87	9.19	0.00	0.00	0.00	0.00	0.00
	3H	7.93	8.88	8.31	9.21	9.58	0.00	0.00	0.00	0.00	0.00
	4H	8.11	8.98	8.51	9.33	9.72	0.00	0.00	0.00	0.00	0.00
	6H	8.30	9.10	8.72	9.47	9.87	0.00	0.00	0.00	0.00	0.00
	8H	8.39	9.14	8.82	9.53	9.94	0.00	0.00	0.00	0.00	0.00
	12H	8.46	9.18	8.90	9.56	10.00	0.00	0.00	0.00	0.00	0.00
4H	2H	7.20	8.08	7.61	8.43	8.82	0.00	0.00	0.00	0.00	0.00
	3H	7.70	8.40	8.11	8.81	9.22	0.00	0.00	0.00	0.00	0.00
	4H	7.87	8.50	8.31	8.92	9.37	0.00	0.00	0.00	0.00	0.00
	6H	8.11	8.65	8.58	9.10	9.57	0.00	0.00	0.00	0.00	0.00
	8H	8.22	8.73	8.70	9.18	9.65	0.00	0.00	0.00	0.00	0.00
	12H	8.34	8.78	8.83	9.26	9.74	0.00	0.00	0.00	0.00	0.00
8H	4H	7.70	8.20	8.18	8.65	9.13	0.00	0.00	0.00	0.00	0.00
	6H	7.93	8.33	8.44	8.84	9.32	0.00	0.00	0.00	0.00	0.00
	8H	8.05	8.42	8.59	8.94	9.43	0.00	0.00	0.00	0.00	0.00
	12H	8.20	8.52	8.72	9.01	9.59	0.00	0.00	0.00	0.00	0.00
12H	4H	7.64	8.08	8.13	8.56	9.04	0.00	0.00	0.00	0.00	0.00
	6H	7.86	8.22	8.39	8.74	9.24	0.00	0.00	0.00	0.00	0.00
	8H	8.00	8.32	8.52	8.81	9.39	0.00	0.00	0.00	0.00	0.00