

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P559682

Luminaire Tested: **DL2-BB-M-125U-125D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559682
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-13, G3-2104-222-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-M-125U-125D-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

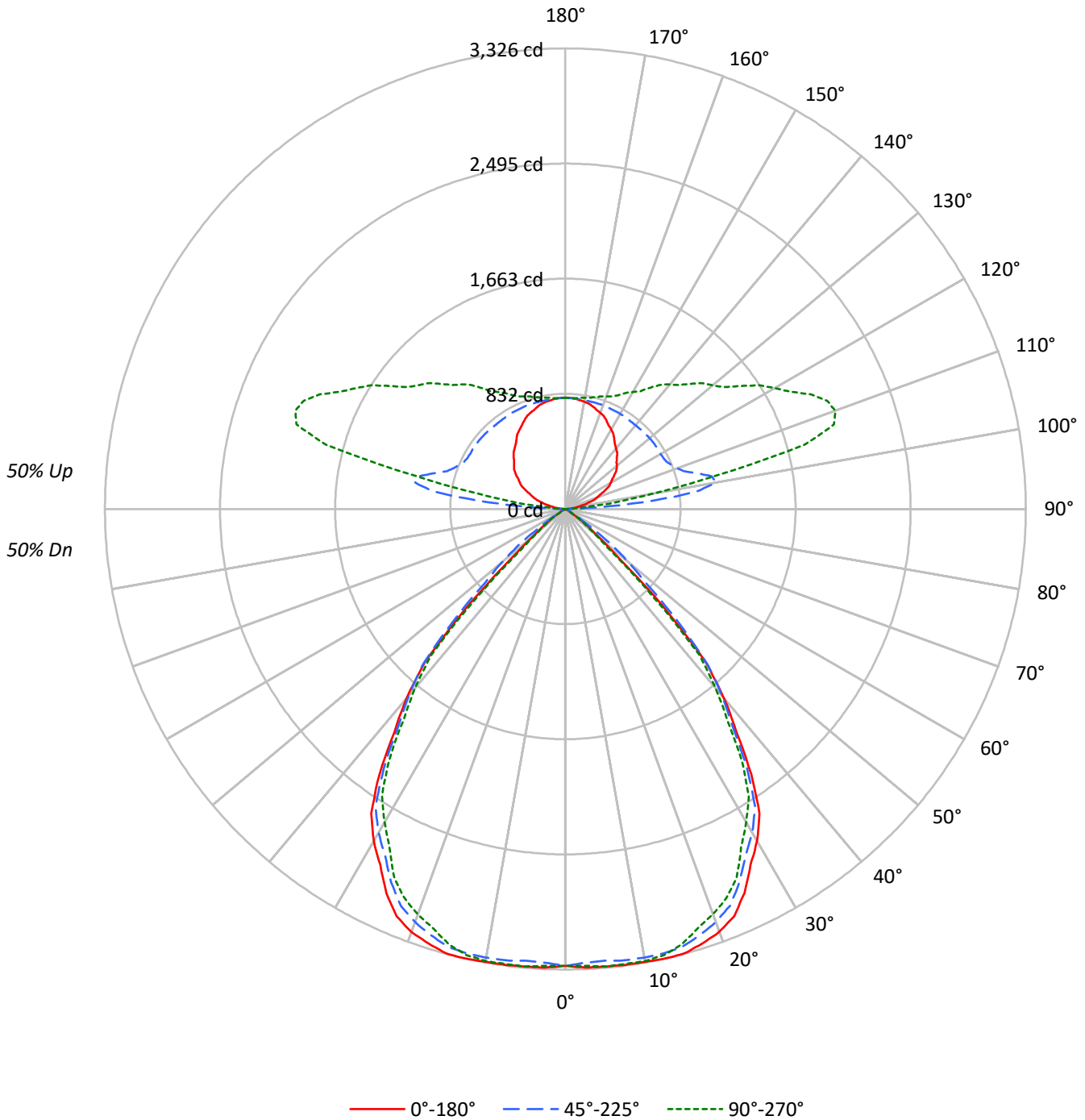
Lumens per Lamp: N/A
Luminaire Lumens: 9935.7 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.7
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



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	56	56	56	50	
1	100	96	93	90	92	89	87	84	76	74	72	64	63	62	53	52	51	51	51	51	46	
2	93	86	81	77	86	80	76	72	69	66	63	59	57	55	49	48	47	47	47	47	42	
3	86	78	72	67	79	73	67	63	63	59	56	54	51	49	45	44	42	42	42	42	38	
4	80	71	64	59	74	66	60	56	57	53	50	49	46	44	42	40	38	38	38	38	35	
5	74	64	57	52	69	60	54	49	53	48	44	46	42	39	39	37	35	35	35	35	32	
6	69	58	51	46	64	55	49	44	48	43	40	42	38	36	36	34	32	32	32	32	29	
7	64	53	46	41	60	50	44	39	44	39	36	39	35	32	34	31	29	29	29	29	27	
8	60	49	42	37	56	46	40	36	41	36	33	36	32	30	31	29	27	27	27	27	24	
9	56	45	38	34	52	43	37	32	38	33	30	33	30	27	29	26	24	24	24	24	22	
10	53	42	35	31	49	39	34	30	35	30	27	31	27	25	27	25	23	23	23	23	21	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53281	53281	53281
5°	53760	53097	53760
10°	54446	53923	54333
15°	55544	54694	54394
20°	55862	54560	53515
25°	54508	53000	52200
30°	51617	50315	48680
35°	46160	45080	43822
40°	37593	37047	35534
45°	22948	25998	20671
50°	7488	14549	6586
55°	2553	5134	2638
60°	194	1482	65
65°	38	76	0
70°	0	47	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	3.2
10°-20°	927.3	9.3
20°-30°	1370.5	13.8
30°-40°	1408.5	14.2
40°-50°	813.5	8.2
50°-60°	141.0	1.4
60°-70°	5.3	0.1
70°-80°	0.1	0.0
80°-90°	1.2	0.0
90°-100°	307.1	3.1
100°-110°	999.7	10.1
110°-120°	988.9	10.0
120°-130°	808.2	8.1
130°-140°	660.5	6.6
140°-150°	514.5	5.2
150°-160°	370.8	3.7
160°-170°	226.7	2.3
170°-180°	76.5	0.8
0°-30°	2613.6	26.3
0°-40°	4022.1	40.5
0°-60°	4976.6	50.1
0°-90°	4983.1	50.2
90°-120°	2295.8	23.1
90°-150°	4278.9	43.1
90°-180°	4953.0	49.9
0°-180°	9935.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3300	3300	3300	3300	3300	
5°	3317	3307	3276	3324	3317	317
15°	3323	3347	3272	3278	3254	936
25°	3060	3087	2975	2941	2930	1399
35°	2342	2343	2287	2252	2223	1441
45°	1005	1140	1139	1078	905	768
55°	91	105	182	104	94	102
65°	1	1	2	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	3	7	6	6	2
95°	42	126	563	201	123	48
105°	170	245	990	1892	1791	181
115°	314	375	807	1663	1956	311
125°	436	487	796	1313	1547	388
135°	527	582	792	1133	1278	407
145°	616	662	790	976	1068	386
155°	703	726	795	874	906	324
165°	767	774	797	827	836	216
175°	800	800	800	806	804	76
180°	803	803	803	803	803	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3300.0	3300.0	3300.0	3300.0	3300.0
2.5°	3315.2	3305.8	3279.3	3309.4	3302.4
5°	3317.0	3307.2	3276.1	3323.8	3317.0
7.5°	3320.1	3314.1	3287.4	3324.9	3314.0
10°	3320.9	3321.9	3289.0	3321.8	3314.0
12.5°	3325.7	3335.3	3285.8	3312.1	3298.8
15°	3322.9	3347.3	3272.1	3277.5	3254.1
17.5°	3289.4	3324.5	3228.0	3204.4	3175.2
20°	3251.2	3286.2	3175.4	3143.8	3114.6
22.5°	3183.4	3221.6	3102.8	3068.1	3041.2
25°	3059.7	3087.0	2975.0	2940.8	2930.1
27.5°	2897.0	2906.8	2820.1	2775.0	2749.9
30°	2768.6	2766.7	2698.8	2647.2	2611.1
32.5°	2609.9	2619.6	2551.3	2502.8	2465.9
35°	2341.9	2342.9	2287.1	2251.5	2223.3
37.5°	2029.3	2024.4	1985.8	1938.0	1922.0
40°	1783.6	1790.4	1757.7	1703.4	1685.9
42.5°	1498.9	1543.9	1520.8	1456.9	1435.5
45°	1005.0	1140.5	1138.6	1077.8	905.3
47.5°	514.2	683.9	785.8	615.5	412.9
50°	298.1	405.3	579.2	319.7	262.2
52.5°	188.8	239.9	411.8	207.8	174.5
55°	90.7	105.3	182.4	103.5	93.7
57.5°	33.1	49.3	81.0	50.3	35.5
60°	6.0	20.6	45.9	13.7	2.0
62.5°	2.0	5.7	26.7	3.5	1.2
65°	1.0	1.0	2.0	1.0	0.0
67.5°	0.0	1.0	1.0	0.0	0.0
70°	0.0	1.0	1.0	0.0	0.0
72.5°	0.0	0.2	0.2	0.0	0.0
75°	0.0	0.0	0.0	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	0.6	1.4	1.2	1.2
90°	0.0	2.9	6.9	5.9	5.9
92.5°	14.2	51.1	163.3	53.8	41.5
95°	41.5	126.4	562.8	200.7	123.4
97.5°	78.0	164.5	955.2	581.8	355.1
100°	101.7	186.7	1102.9	983.5	637.9
102.5°	128.6	210.4	1084.8	1455.0	1106.3
105°	169.8	245.1	990.4	1891.6	1791.2
107.5°	214.5	285.3	900.7	1929.4	2035.8
110°	246.9	311.5	858.1	1882.4	2074.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	273.7	337.6	831.2	1797.6	2045.3
115°	314.0	374.8	806.7	1662.6	1956.1
117.5°	355.5	410.3	797.2	1538.9	1831.1
120°	379.2	433.2	794.9	1462.9	1745.7
122.5°	402.1	455.4	795.7	1396.9	1660.4
125°	436.4	486.6	795.9	1312.7	1547.3
127.5°	465.9	517.2	795.7	1249.6	1445.2
130°	484.8	537.0	794.9	1213.5	1388.3
132.5°	501.4	555.9	794.1	1180.1	1344.1
135°	527.3	582.3	791.9	1132.9	1277.7
137.5°	552.6	608.0	789.7	1084.9	1213.5
140°	570.7	623.8	788.9	1052.4	1174.0
142.5°	588.1	638.9	788.9	1021.3	1129.8
145°	616.1	661.5	789.9	975.7	1068.4
147.5°	643.4	682.8	791.3	936.9	1008.5
150°	661.6	696.3	792.9	913.7	974.6
152.5°	679.7	708.3	793.7	896.1	944.6
155°	703.0	726.2	794.9	873.6	906.4
157.5°	725.2	741.8	796.1	857.0	880.0
160°	738.6	752.1	796.8	846.6	865.0
162.5°	750.4	760.9	796.8	837.8	851.5
165°	767.2	774.0	796.8	826.7	836.3
167.5°	779.1	783.3	797.0	818.3	823.3
170°	787.0	788.9	797.8	812.7	814.6
172.5°	792.5	793.7	799.4	809.5	809.1
175°	799.8	799.8	799.8	805.7	803.8
177.5°	802.8	802.0	801.2	805.1	802.0
180°	802.8	802.8	802.8	802.8	802.8

(END OF REPORT)