

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: P559683

Luminaire Tested: **DL2-BB-M-125U-125D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559683
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-940-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

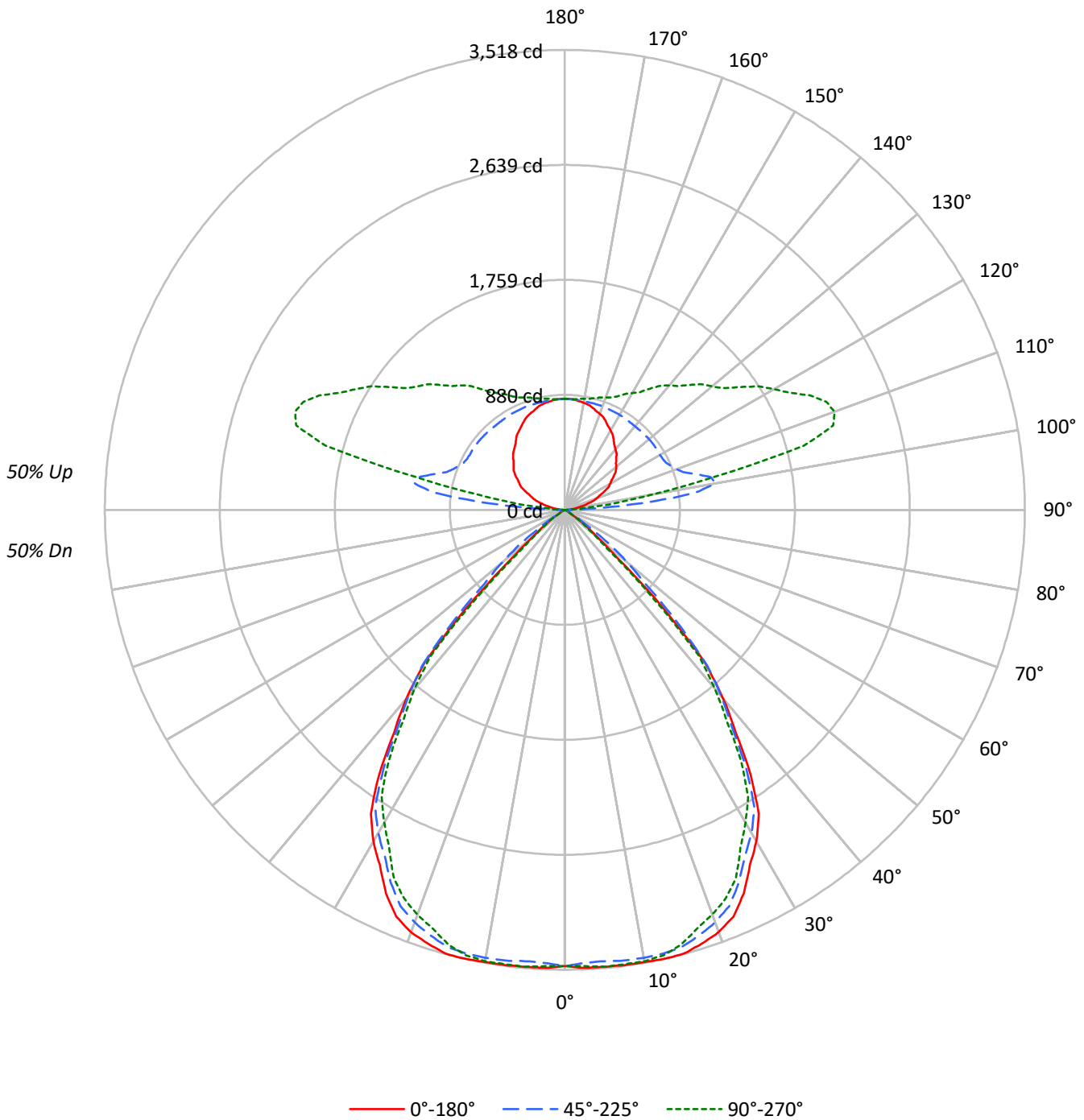
Lumens per Lamp: N/A
Luminaire Lumens: 10509.7 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	96	93	90	92	89	87	84	76	74	72	64	63	62	53	52	51	46
2	93	86	81	77	86	80	76	72	69	66	63	59	57	55	49	48	47	42
3	86	78	72	67	79	73	67	63	63	59	56	54	51	49	45	44	42	38
4	80	71	64	59	74	66	60	56	57	53	50	49	46	44	42	40	38	35
5	74	64	57	52	69	60	54	49	53	48	44	46	42	39	39	37	35	32
6	69	58	51	46	64	55	49	44	48	43	40	42	38	36	36	34	32	29
7	64	53	46	41	60	50	44	39	44	39	36	39	35	32	34	31	29	27
8	60	49	42	37	56	46	40	36	41	36	33	36	32	30	31	29	27	24
9	56	45	38	34	52	43	37	32	38	33	30	33	30	27	29	26	24	22
10	53	42	35	31	49	39	34	30	35	30	27	31	27	25	27	25	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56359	56359	56359
5°	56866	56164	56866
10°	57592	57038	57471
15°	58753	57854	57536
20°	59089	57711	56606
25°	57658	56060	55216
30°	54598	53222	51492
35°	48827	47683	46353
40°	39764	39186	37586
45°	24272	27499	21866
50°	7920	15390	6968
55°	2702	5433	2790
60°	203	1566	68
65°	42	80	0
70°	0	52	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.0	3.2
10°-20°	980.9	9.3
20°-30°	1449.6	13.8
30°-40°	1489.8	14.2
40°-50°	860.5	8.2
50°-60°	149.1	1.4
60°-70°	5.6	0.1
70°-80°	0.1	0.0
80°-90°	1.2	0.0
90°-100°	324.8	3.1
100°-110°	1057.5	10.1
110°-120°	1046.1	10.0
120°-130°	854.9	8.1
130°-140°	698.7	6.6
140°-150°	544.2	5.2
150°-160°	392.3	3.7
160°-170°	239.8	2.3
170°-180°	80.9	0.8
0°-30°	2764.6	26.3
0°-40°	4254.4	40.5
0°-60°	5264.0	50.1
0°-90°	5270.9	50.2
90°-120°	2428.4	23.1
90°-150°	4526.1	43.1
90°-180°	5239.0	49.8
0°-180°	10509.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3491	3491	3491	3491	3491	
5°	3509	3498	3465	3516	3509	335
15°	3515	3541	3461	3467	3442	990
25°	3236	3265	3147	3111	3099	1480
35°	2477	2478	2419	2382	2352	1524
45°	1063	1206	1204	1140	958	812
55°	96	111	193	109	99	108
65°	1	1	2	1	0	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	3	7	6	6	2
95°	44	134	595	212	131	51
105°	180	259	1048	2001	1895	192
115°	332	396	853	1759	2069	329
125°	462	515	842	1388	1637	411
135°	558	616	838	1198	1352	431
145°	652	700	836	1032	1130	408
155°	744	768	841	924	959	343
165°	812	819	843	874	885	229
175°	846	846	846	852	850	80
180°	849	849	849	849	849	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3490.6	3490.6	3490.6	3490.6	3490.6
2.5°	3506.7	3496.8	3468.7	3500.6	3493.2
5°	3508.6	3498.3	3465.3	3515.8	3508.6
7.5°	3511.9	3505.5	3477.3	3516.9	3505.4
10°	3512.8	3513.8	3479.0	3513.6	3505.4
12.5°	3517.8	3527.9	3475.7	3503.4	3489.4
15°	3514.9	3540.7	3461.1	3466.9	3442.1
17.5°	3479.5	3516.6	3414.5	3389.5	3358.6
20°	3439.0	3476.1	3358.8	3325.4	3294.5
22.5°	3367.2	3407.7	3282.0	3245.3	3216.9
25°	3236.5	3265.4	3146.8	3110.7	3099.4
27.5°	3064.4	3074.7	2983.0	2935.3	2908.7
30°	2928.5	2926.5	2854.7	2800.1	2761.9
32.5°	2760.7	2771.0	2698.7	2647.4	2608.4
35°	2477.2	2478.2	2419.2	2381.6	2351.7
37.5°	2146.5	2141.3	2100.5	2049.9	2033.0
40°	1886.6	1893.8	1859.2	1801.8	1783.3
42.5°	1585.4	1633.1	1608.6	1541.1	1518.4
45°	1063.0	1206.3	1204.3	1140.1	957.6
47.5°	543.9	723.4	831.2	651.1	436.8
50°	315.3	428.7	612.7	338.2	277.4
52.5°	199.7	253.8	435.5	219.8	184.6
55°	96.0	111.4	193.0	109.4	99.1
57.5°	35.0	52.1	85.6	53.2	37.5
60°	6.3	21.8	48.5	14.5	2.1
62.5°	2.1	6.0	28.3	3.7	1.3
65°	1.1	1.1	2.1	1.0	0.0
67.5°	0.0	1.0	1.1	0.0	0.0
70°	0.0	1.0	1.1	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	1.5	1.3	1.3
90°	0.0	3.1	7.3	6.3	6.3
92.5°	15.0	54.1	172.8	56.9	43.9
95°	43.9	133.7	595.3	212.3	130.6
97.5°	82.5	174.0	1010.4	615.4	375.6
100°	107.6	197.4	1166.7	1040.3	674.7
102.5°	136.0	222.6	1147.4	1539.1	1170.2
105°	179.6	259.3	1047.6	2000.8	1894.6
107.5°	226.9	301.8	952.7	2040.9	2153.4
110°	261.1	329.5	907.6	1991.2	2194.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	289.5	357.1	879.2	1901.4	2163.5
115°	332.1	396.5	853.3	1758.6	2069.1
117.5°	376.0	434.0	843.3	1627.8	1936.8
120°	401.1	458.3	840.8	1547.4	1846.6
122.5°	425.3	481.7	841.6	1477.5	1756.3
125°	461.6	514.8	841.8	1388.5	1636.7
127.5°	492.8	547.1	841.6	1321.8	1528.7
130°	512.8	568.0	840.8	1283.7	1468.5
132.5°	530.4	588.0	839.9	1248.3	1421.7
135°	557.7	615.9	837.6	1198.3	1351.5
137.5°	584.5	643.1	835.4	1147.6	1283.6
140°	603.7	659.9	834.5	1113.2	1241.9
142.5°	622.1	675.8	834.5	1080.3	1195.1
145°	651.7	699.7	835.6	1032.1	1130.1
147.5°	680.6	722.2	837.0	991.0	1066.8
150°	699.8	736.5	838.7	966.5	1030.9
152.5°	719.0	749.2	839.5	947.9	999.1
155°	743.6	768.2	840.8	924.1	958.8
157.5°	767.0	784.6	842.0	906.5	930.8
160°	781.2	795.5	842.9	895.5	914.9
162.5°	793.8	804.8	842.9	886.2	900.7
165°	811.5	818.7	842.9	874.4	884.6
167.5°	824.1	828.6	843.1	865.6	870.9
170°	832.4	834.5	843.9	859.6	861.7
172.5°	838.3	839.5	845.6	856.2	855.8
175°	846.0	846.0	846.0	852.2	850.2
177.5°	849.1	848.3	847.5	851.6	848.3
180°	849.1	849.1	849.1	849.1	849.1

(END OF REPORT)