

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: P559725

Luminaire Tested: **DL2-WB-M-075U-075D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

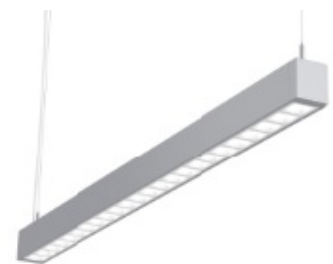
Test Information

Test Method: LM-79-08
Report Number: P559725
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-11, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-WB-M-075U-075D-940-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

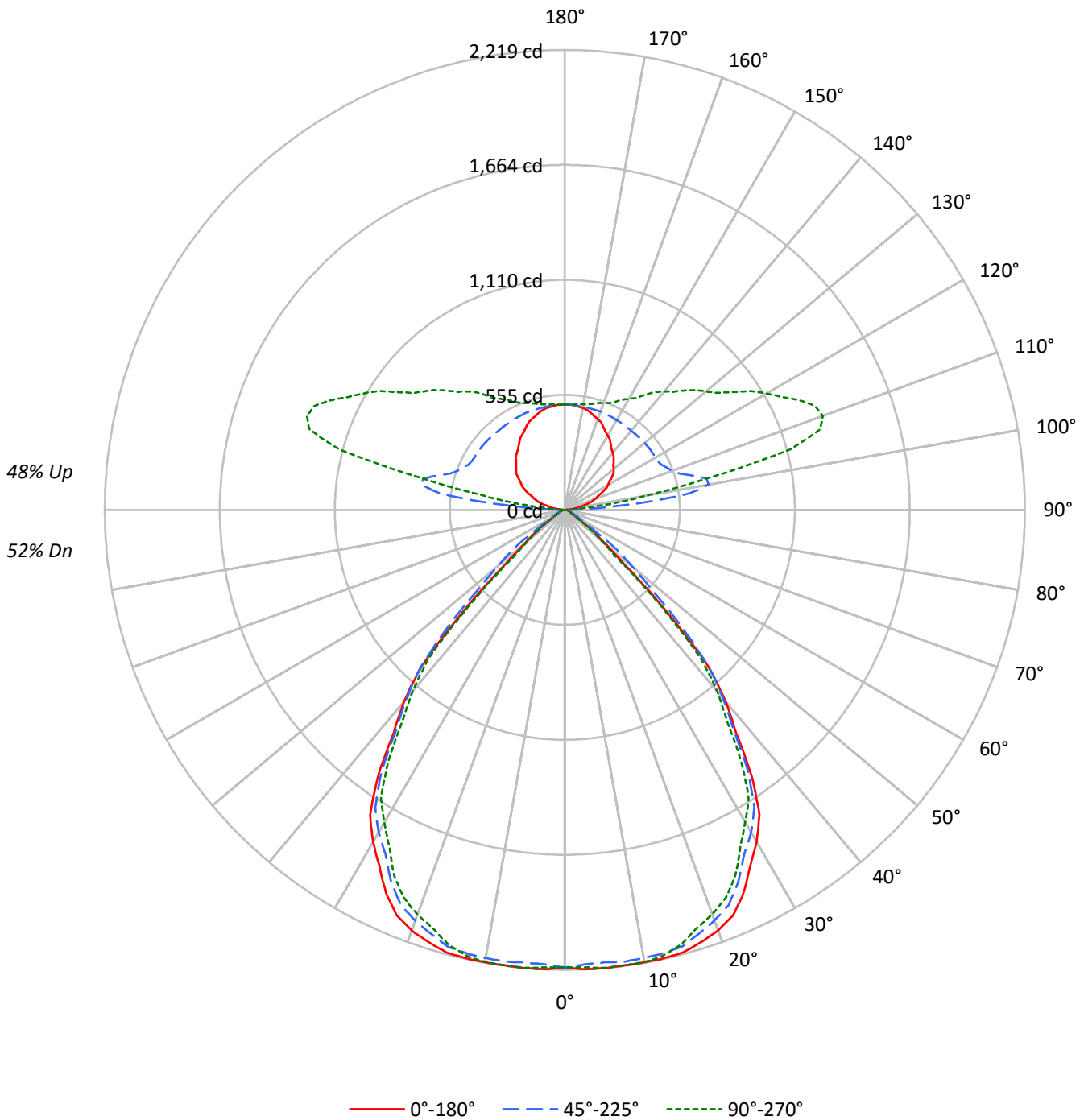
Lumens per Lamp: N/A
Luminaire Lumens: 6602.3 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.9
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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	52
1	100	97	93	90	93	90	87	85	77	75	73	65	64	63	54	54	53	48
2	93	87	82	77	86	81	76	73	70	67	64	60	57	56	50	49	48	43
3	86	78	72	67	80	73	68	63	63	59	56	55	52	49	46	45	43	39
4	80	70	64	58	74	66	60	56	58	53	50	50	47	44	43	41	39	35
5	74	64	57	52	69	60	54	49	53	48	44	46	43	40	40	37	35	32
6	69	58	51	46	64	55	48	44	48	43	40	42	39	36	37	34	32	29
7	64	53	46	41	60	50	44	39	45	40	36	39	35	33	34	31	29	27
8	60	49	42	37	56	46	40	36	41	36	33	36	32	30	32	29	27	25
9	56	45	38	34	52	43	36	32	38	33	30	34	30	27	30	27	25	23
10	53	42	35	31	49	39	33	29	35	30	27	31	28	25	28	25	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35645	35645	35645
5°	35971	35525	35953
10°	36334	35987	36316
15°	36939	36461	36284
20°	37115	36242	35697
25°	36351	35277	34693
30°	34491	33504	32438
35°	31020	30374	29268
40°	25429	25050	24091
45°	15901	18100	14936
50°	6222	10555	5689
55°	3068	4915	3040
60°	1437	2357	1298
65°	1295	1375	1215
70°	1251	1298	1199
75°	1254	1254	1123
80°	1181	1181	1079
85°	1186	982	982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	3.2
10°-20°	617.2	9.3
20°-30°	912.6	13.8
30°-40°	944.2	14.3
40°-50°	568.0	8.6
50°-60°	135.9	2.1
60°-70°	37.1	0.6
70°-80°	20.8	0.3
80°-90°	7.1	0.1
90°-100°	192.3	2.9
100°-110°	637.5	9.7
110°-120°	632.7	9.6
120°-130°	515.4	7.8
130°-140°	418.8	6.3
140°-150°	325.3	4.9
150°-160°	234.4	3.5
160°-170°	143.5	2.2
170°-180°	48.5	0.7
0°-30°	1740.8	26.4
0°-40°	2685.1	40.7
0°-60°	3389.0	51.3
0°-90°	3453.9	52.3
90°-120°	1462.5	22.2
90°-150°	2722.0	41.2
90°-180°	3148.0	47.7
0°-180°	6602.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2208	2208	2208	2208	2208	
5°	2219	2212	2192	2221	2218	212
15°	2210	2226	2181	2181	2171	623
25°	2040	2057	1980	1959	1947	933
35°	1574	1572	1541	1506	1485	966
45°	696	791	793	753	654	539
55°	109	122	175	116	108	109
65°	34	35	36	34	32	34
75°	20	20	20	19	18	21
85°	6	6	5	5	5	6
90°	0	1	3	4	4	1
95°	27	81	348	124	83	31
105°	112	159	638	1204	1126	118
115°	199	238	514	1070	1251	197
125°	278	309	504	840	991	247
135°	333	367	500	721	814	257
145°	386	415	499	620	679	242
155°	441	457	502	554	575	203
165°	484	489	504	524	530	137
175°	506	506	508	511	510	48
180°	508	508	508	508	508	



TEST NUMBER: P559725

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2207.7	2207.7	2207.7	2207.7	2207.7
2.5°	2218.7	2212.9	2195.0	2213.6	2209.4
5°	2219.4	2212.1	2191.9	2221.4	2218.3
7.5°	2217.0	2213.9	2198.4	2220.7	2216.0
10°	2216.2	2217.2	2195.0	2218.2	2215.1
12.5°	2215.4	2223.8	2191.6	2209.7	2202.4
15°	2209.9	2226.4	2181.3	2181.0	2170.7
17.5°	2186.4	2206.0	2145.7	2129.1	2116.5
20°	2160.1	2179.8	2109.3	2082.7	2077.6
22.5°	2118.6	2139.9	2064.4	2035.2	2026.8
25°	2040.5	2057.1	1980.2	1958.8	1947.4
27.5°	1936.4	1945.5	1873.3	1848.8	1833.1
30°	1850.0	1854.1	1797.1	1764.8	1739.9
32.5°	1747.6	1751.7	1701.4	1670.9	1651.0
35°	1573.8	1571.7	1541.0	1505.6	1484.9
37.5°	1356.4	1359.3	1335.0	1307.0	1286.1
40°	1206.5	1208.6	1188.5	1148.2	1143.0
42.5°	1023.6	1054.7	1027.7	996.2	972.0
45°	696.4	790.6	792.7	753.4	654.1
47.5°	393.3	500.5	562.4	449.6	328.9
50°	247.7	320.1	420.2	266.8	226.5
52.5°	175.7	212.5	316.9	187.7	166.4
55°	109.0	122.5	174.6	116.2	108.0
57.5°	64.8	78.6	99.3	78.7	65.6
60°	44.5	55.8	73.0	51.6	40.2
62.5°	38.5	43.3	57.8	40.8	36.8
65°	33.9	34.9	36.0	33.8	31.8
67.5°	29.8	30.9	30.1	29.8	27.9
70°	26.5	27.5	27.5	26.4	25.4
72.5°	23.9	25.0	24.1	23.9	22.0
75°	20.1	20.1	20.1	19.0	18.0
77.5°	15.2	16.3	15.2	15.2	14.2
80°	12.7	13.7	12.7	12.7	11.6
82.5°	10.2	10.4	10.2	10.1	9.1
85°	6.4	6.4	5.3	5.3	5.3
87.5°	1.7	2.7	2.3	2.5	2.5
90°	0.0	1.0	3.2	4.2	4.2
92.5°	8.4	32.5	95.8	31.1	26.1
95°	27.4	80.9	348.5	124.3	83.2
97.5°	50.3	106.3	608.3	354.8	224.2
100°	66.3	119.9	704.3	604.9	401.1
102.5°	84.0	135.9	698.4	924.5	698.4
105°	111.6	159.0	638.0	1203.7	1125.5
107.5°	139.8	182.0	580.1	1232.1	1291.6
110°	155.8	198.0	550.6	1204.0	1324.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	172.7	214.0	532.9	1154.2	1307.6
115°	199.0	238.1	513.8	1069.6	1250.7
117.5°	225.1	259.9	506.8	988.7	1178.7
120°	241.1	275.1	504.3	938.0	1122.3
122.5°	255.4	288.6	504.3	896.4	1066.7
125°	277.9	308.8	504.3	840.4	990.7
127.5°	296.5	326.7	503.0	798.0	926.5
130°	307.4	339.3	502.2	773.3	888.6
132.5°	317.5	350.3	501.3	752.8	856.6
135°	332.7	366.7	500.1	721.2	813.8
137.5°	349.1	381.8	498.8	690.6	772.3
140°	360.1	392.0	498.0	670.2	745.4
142.5°	370.2	401.3	498.8	649.8	716.8
145°	386.4	415.2	499.0	620.4	679.1
147.5°	403.9	427.9	499.2	595.4	639.1
150°	414.8	436.4	500.1	580.9	618.0
152.5°	424.9	445.7	500.9	569.0	598.6
155°	441.1	456.6	502.2	554.2	574.8
157.5°	456.9	468.9	503.5	543.8	558.4
160°	465.3	475.6	504.3	536.1	547.5
162.5°	473.8	481.6	504.3	531.0	539.9
165°	484.3	489.4	504.3	524.4	529.6
167.5°	494.0	496.7	505.4	518.5	521.1
170°	499.0	500.1	505.4	515.9	516.9
172.5°	502.4	503.4	506.2	513.4	513.6
175°	506.4	506.4	507.5	510.6	509.6
177.5°	508.5	508.5	507.7	509.3	507.7
180°	508.5	508.5	508.5	508.5	508.5

(END OF REPORT)