

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: P559724

Luminaire Tested: **DL2-WB-M-075U-075D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559724
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-935-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

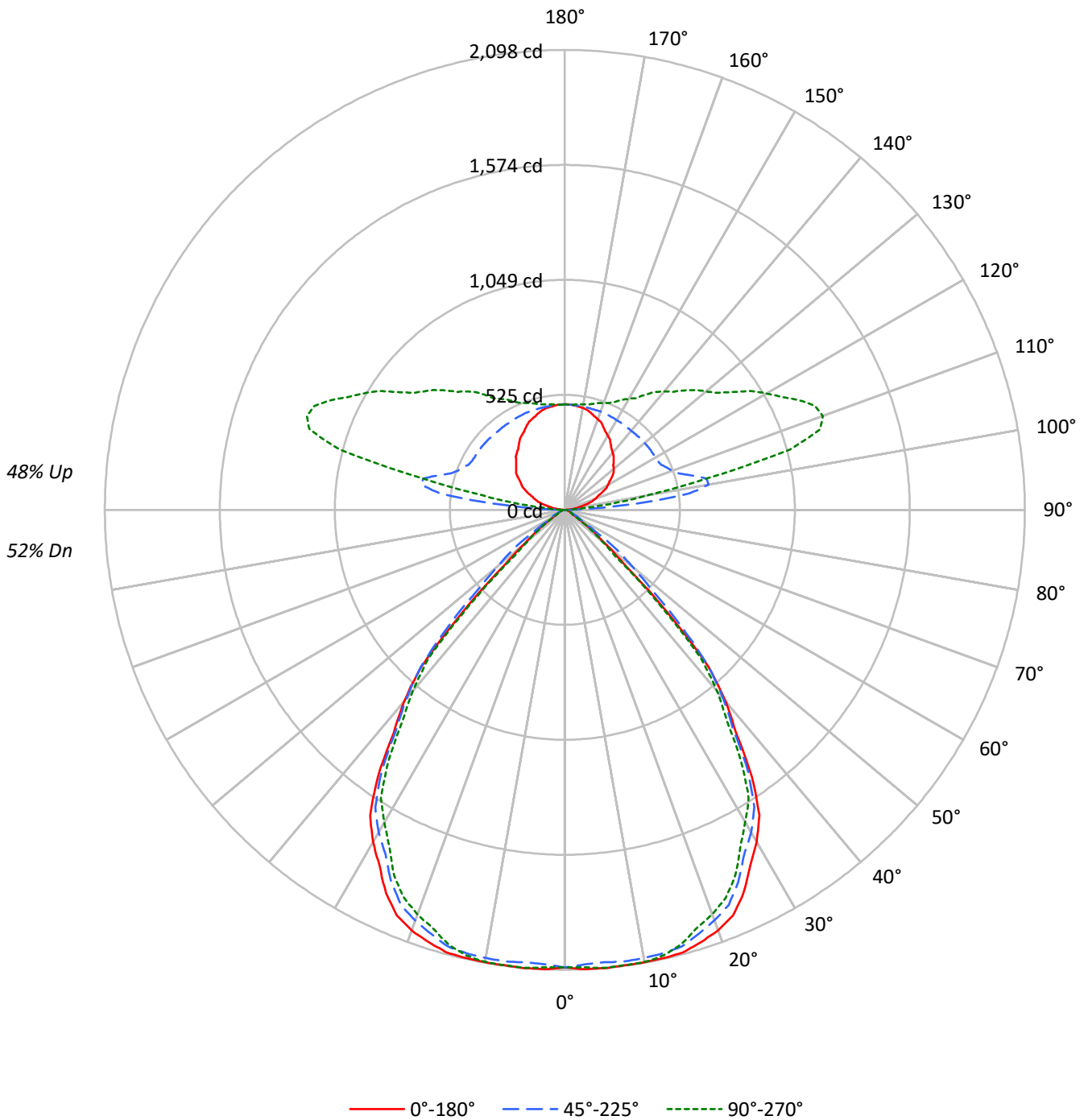
Lumens per Lamp: N/A
Luminaire Lumens: 6241.8 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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



TEST NUMBER: P559724
CATALOG NUMBER: DL2-WB-M-075U-075D-935-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P559724

CATALOG NUMBER: DL2-WB-M-075U-075D-935-UNV-STD-W-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
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°	33700	33700	33700
5°	34007	33585	33990
10°	34351	34023	34334
15°	34922	34471	34302
20°	35087	34263	33747
25°	34367	33350	32797
30°	32608	31674	30667
35°	29325	28714	27670
40°	24040	23682	22776
45°	15034	17112	14118
50°	5880	9977	5378
55°	2902	4647	2874
60°	1356	2228	1227
65°	1223	1299	1146
70°	1180	1227	1133
75°	1185	1185	1061
80°	1116	1116	1023
85°	1112	926	926



TEST NUMBER: P559724

CATALOG NUMBER: DL2-WB-M-075U-075D-935-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	3.2
10°-20°	583.5	9.3
20°-30°	862.7	13.8
30°-40°	892.7	14.3
40°-50°	536.9	8.6
50°-60°	128.5	2.1
60°-70°	35.1	0.6
70°-80°	19.6	0.3
80°-90°	6.7	0.1
90°-100°	181.8	2.9
100°-110°	602.7	9.7
110°-120°	598.2	9.6
120°-130°	487.2	7.8
130°-140°	396.0	6.3
140°-150°	307.5	4.9
150°-160°	221.6	3.5
160°-170°	135.7	2.2
170°-180°	45.8	0.7
0°-30°	1645.8	26.4
0°-40°	2538.4	40.7
0°-60°	3203.9	51.3
0°-90°	3265.3	52.3
90°-120°	1382.7	22.2
90°-150°	2573.4	41.2
90°-180°	2977.0	47.7
0°-180°	6241.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2087	2087	2087	2087	2087	
5°	2098	2091	2072	2100	2097	200
15°	2089	2105	2062	2062	2052	589
25°	1929	1945	1872	1852	1841	882
35°	1488	1486	1457	1423	1404	913
45°	658	747	749	712	618	509
55°	103	116	165	110	102	103
65°	32	33	34	32	30	32
75°	19	19	19	18	17	20
85°	6	6	5	5	5	6
90°	0	1	3	4	4	1
95°	26	76	330	118	79	30
105°	106	150	603	1138	1064	111
115°	188	225	486	1011	1182	186
125°	263	292	477	794	937	234
135°	314	347	473	682	769	243
145°	365	392	472	586	642	229
155°	417	432	475	524	543	192
165°	458	463	477	496	501	129
175°	479	479	480	483	482	45
180°	481	481	481	481	481	

TEST NUMBER: P559724

CATALOG NUMBER: DL2-WB-M-075U-075D-935-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2087.2	2087.2	2087.2	2087.2	2087.2
2.5°	2097.6	2092.1	2075.2	2092.7	2088.8
5°	2098.2	2091.3	2072.2	2100.1	2097.2
7.5°	2096.0	2093.0	2078.4	2099.5	2095.0
10°	2095.2	2096.1	2075.2	2097.1	2094.2
12.5°	2094.4	2102.4	2072.0	2089.0	2082.2
15°	2089.2	2104.8	2062.2	2061.9	2052.1
17.5°	2067.0	2085.5	2028.5	2012.9	2000.9
20°	2042.1	2060.7	1994.1	1969.0	1964.1
22.5°	2002.9	2023.1	1951.7	1924.1	1916.1
25°	1929.1	1944.7	1872.0	1851.8	1841.0
27.5°	1830.6	1839.2	1771.0	1747.8	1733.0
30°	1749.0	1752.9	1698.9	1668.4	1644.9
32.5°	1652.1	1656.0	1608.5	1579.7	1560.9
35°	1487.8	1485.9	1456.8	1423.4	1403.8
37.5°	1282.3	1285.1	1262.1	1235.6	1215.9
40°	1140.6	1142.6	1123.6	1085.5	1080.6
42.5°	967.7	997.1	971.5	941.8	918.9
45°	658.4	747.4	749.4	712.3	618.3
47.5°	371.8	473.2	531.7	425.0	311.0
50°	234.1	302.6	397.2	252.3	214.1
52.5°	166.1	200.9	299.6	177.4	157.3
55°	103.1	115.8	165.1	109.9	102.1
57.5°	61.2	74.3	93.9	74.4	62.0
60°	42.0	52.8	69.0	48.8	38.0
62.5°	36.4	40.9	54.6	38.5	34.8
65°	32.0	33.0	34.0	32.0	30.0
67.5°	28.2	29.2	28.4	28.2	26.4
70°	25.0	26.0	26.0	25.0	24.0
72.5°	22.6	23.6	22.8	22.6	20.8
75°	19.0	19.0	19.0	18.0	17.0
77.5°	14.4	15.4	14.4	14.4	13.4
80°	12.0	13.0	12.0	12.0	11.0
82.5°	9.6	9.8	9.6	9.6	8.6
85°	6.0	6.0	5.0	5.0	5.0
87.5°	1.6	2.6	2.2	2.4	2.4
90°	0.0	1.0	3.0	4.0	4.0
92.5°	8.0	30.7	90.6	29.4	24.7
95°	25.9	76.5	329.5	117.6	78.6
97.5°	47.6	100.5	575.1	335.4	212.0
100°	62.7	113.3	665.9	571.9	379.2
102.5°	79.4	128.5	660.3	874.0	660.3
105°	105.5	150.3	603.2	1138.0	1064.0
107.5°	132.2	172.1	548.4	1164.8	1221.1
110°	147.3	187.2	520.6	1138.2	1252.1

TEST NUMBER: P559724

CATALOG NUMBER: DL2-WB-M-075U-075D-935-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	163.2	202.4	503.8	1091.2	1236.2
115°	188.1	225.1	485.7	1011.2	1182.4
117.5°	212.8	245.7	479.1	934.7	1114.4
120°	227.9	260.0	476.8	886.8	1061.0
122.5°	241.5	272.8	476.8	847.5	1008.5
125°	262.8	292.0	476.8	794.5	936.6
127.5°	280.3	308.9	475.6	754.4	875.9
130°	290.6	320.8	474.8	731.0	840.0
132.5°	300.2	331.1	474.0	711.7	809.8
135°	314.5	346.6	472.8	681.8	769.4
137.5°	330.0	361.0	471.6	652.9	730.2
140°	340.4	370.6	470.8	633.6	704.7
142.5°	350.0	379.3	471.6	614.4	677.6
145°	365.3	392.5	471.8	586.5	642.0
147.5°	381.8	404.6	472.0	562.9	604.2
150°	392.2	412.6	472.8	549.2	584.3
152.5°	401.7	421.4	473.6	537.9	565.9
155°	417.0	431.6	474.8	524.0	543.4
157.5°	432.0	443.3	476.0	514.1	527.9
160°	439.9	449.7	476.8	506.9	517.6
162.5°	447.9	455.3	476.8	502.0	510.4
165°	457.8	462.7	476.8	495.8	500.6
167.5°	467.0	469.5	477.8	490.2	492.7
170°	471.8	472.8	477.8	487.7	488.7
172.5°	475.0	475.9	478.5	485.3	485.5
175°	478.7	478.7	479.7	482.7	481.7
177.5°	480.7	480.7	479.9	481.5	479.9
180°	480.7	480.7	480.7	480.7	480.7

(END OF REPORT)