

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: P559760

Luminaire Tested: **DL2-WB-M-125U-075D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559760
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-13, 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-125U-075D-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

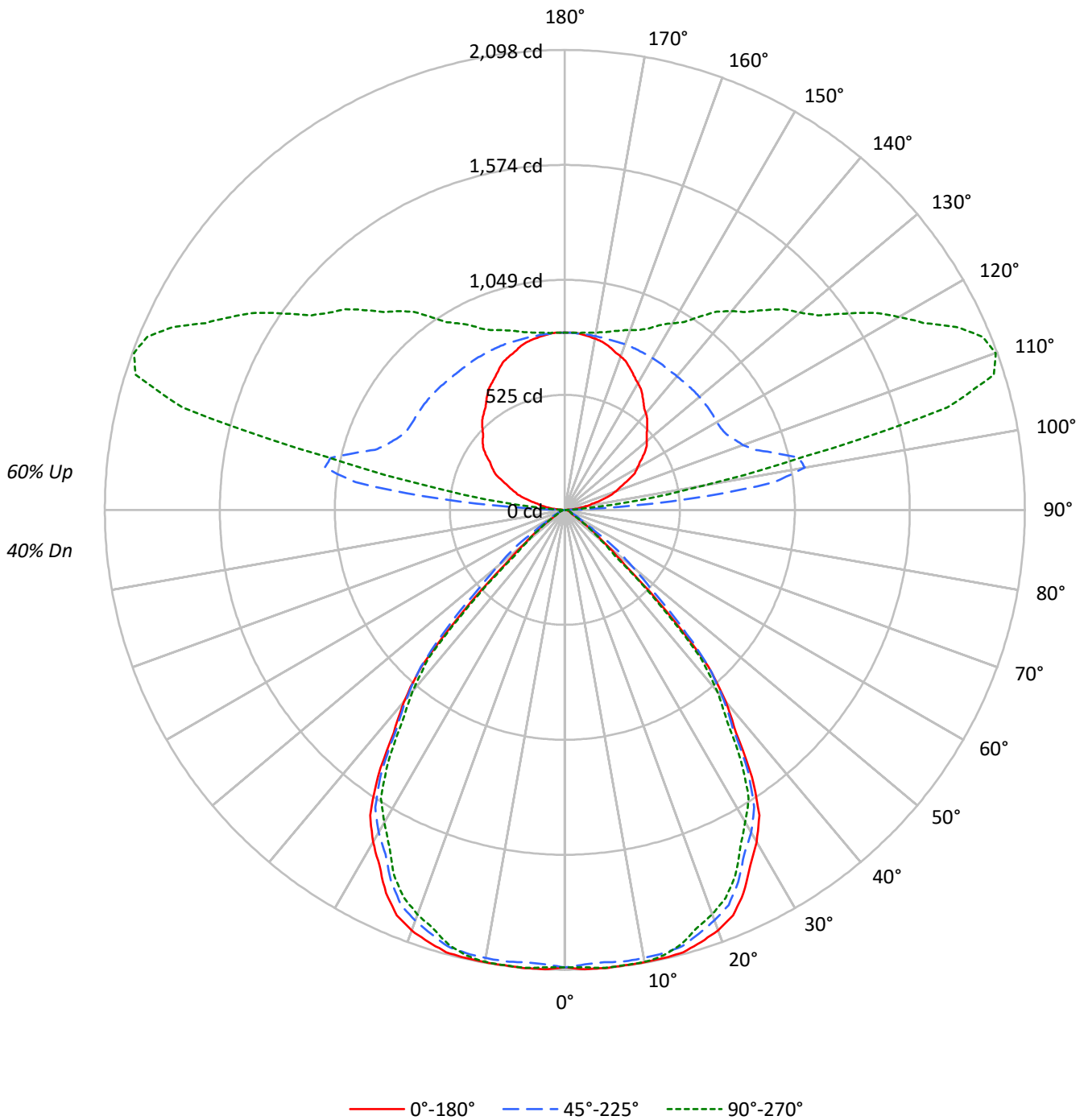
Lumens per Lamp: N/A
Luminaire Lumens: 8258.3 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 71.5
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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40				
1	97	93	90	87	88	85	82	80	70	68	66	56	55	54	43	43	42	36				
2	89	83	78	73	81	76	72	68	63	60	57	51	49	47	40	39	38	33				
3	83	74	68	63	75	68	63	59	57	53	50	47	44	42	37	35	34	30				
4	76	67	60	55	70	62	56	51	52	47	44	43	40	37	34	32	31	27				
5	71	60	53	48	64	56	50	45	47	42	39	39	36	33	31	29	28	24				
6	65	55	47	42	60	51	44	40	43	38	35	36	32	30	29	27	25	22				
7	61	50	43	38	56	46	40	35	39	35	31	33	30	27	27	25	23	20				
8	57	46	38	34	52	42	36	32	36	31	28	30	27	25	25	23	21	19				
9	53	42	35	30	49	39	33	29	33	29	26	28	25	22	23	21	19	17				
10	50	38	32	27	46	36	30	26	31	26	23	26	23	20	22	19	18	16				

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	2.4
10°-20°	583.5	7.1
20°-30°	862.7	10.4
30°-40°	892.7	10.8
40°-50°	536.9	6.5
50°-60°	128.5	1.6
60°-70°	35.1	0.4
70°-80°	19.6	0.2
80°-90°	7.1	0.1
90°-100°	309.5	3.7
100°-110°	1007.8	12.2
110°-120°	996.9	12.1
120°-130°	814.6	9.9
130°-140°	665.8	8.1
140°-150°	518.6	6.3
150°-160°	373.8	4.5
160°-170°	228.5	2.8
170°-180°	77.1	0.9
0°-30°	1645.8	19.9
0°-40°	2538.4	30.7
0°-60°	3203.9	38.8
0°-90°	3265.7	39.5
90°-120°	2314.2	28.0
90°-150°	4313.2	52.2
90°-180°	4993.0	60.5
0°-180°	8258.3	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	3	7	6	6	2
95°	42	127	567	202	124	49
105°	171	247	998	1907	1806	183
115°	316	378	813	1676	1972	313
125°	440	490	802	1323	1560	392
135°	532	587	798	1142	1288	411
145°	621	667	796	984	1077	389
155°	709	732	801	881	914	326
165°	773	780	803	833	843	218
175°	806	806	806	812	810	76
180°	809	809	809	809	809	

TEST NUMBER: P559760

CATALOG NUMBER: DL2-WB-M-125U-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	3.0	3.0	2.8	2.8
90°	0.0	2.9	7.0	6.0	6.0
92.5°	14.3	51.5	164.6	54.3	41.8
95°	41.8	127.4	567.3	202.3	124.4
97.5°	78.6	165.8	962.9	586.4	357.9
100°	102.5	188.2	1111.8	991.4	643.0
102.5°	129.6	212.1	1093.5	1466.7	1115.2
105°	171.2	247.1	998.3	1906.7	1805.5
107.5°	216.2	287.6	907.9	1944.9	2052.2
110°	248.8	314.0	864.9	1897.5	2091.2



TEST NUMBER: P559760

CATALOG NUMBER: DL2-WB-M-125U-075D-935-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	275.9	340.3	837.9	1812.0	2061.7
115°	316.5	377.8	813.2	1675.9	1971.7
117.5°	358.3	413.6	803.6	1551.2	1845.7
120°	382.2	436.7	801.2	1474.6	1759.7
122.5°	405.3	459.0	802.0	1408.1	1673.7
125°	439.9	490.5	802.2	1323.2	1559.7
127.5°	469.6	521.4	802.0	1259.6	1456.8
130°	488.7	541.3	801.2	1223.3	1399.4
132.5°	505.4	560.3	800.4	1189.6	1354.8
135°	531.5	587.0	798.3	1142.0	1288.0
137.5°	557.0	612.8	796.1	1093.6	1223.3
140°	575.3	628.8	795.3	1060.8	1183.4
142.5°	592.8	644.0	795.3	1029.5	1138.9
145°	621.1	666.8	796.3	983.5	1076.9
147.5°	648.6	688.3	797.7	944.4	1016.6
150°	666.9	701.9	799.2	921.1	982.4
152.5°	685.2	714.0	800.0	903.3	952.1
155°	708.7	732.0	801.2	880.6	913.7
157.5°	731.0	747.7	802.4	863.9	887.0
160°	744.5	758.1	803.2	853.4	871.9
162.5°	756.4	767.0	803.2	844.6	858.4
165°	773.4	780.2	803.2	833.3	843.0
167.5°	785.3	789.6	803.4	824.8	829.9
170°	793.3	795.2	804.2	819.2	821.1
172.5°	798.9	800.0	805.8	816.0	815.6
175°	806.2	806.2	806.2	812.1	810.2
177.5°	809.2	808.4	807.6	811.5	808.4
180°	809.2	809.2	809.2	809.2	809.2

(END OF REPORT)