

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: P559700

Luminaire Tested: **DL2-WB-M-025U-075D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

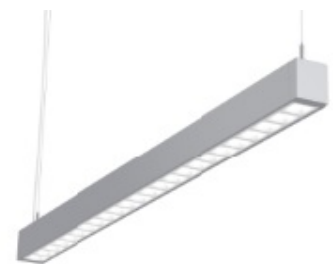
Test Information

Test Method: LM-79-08
Report Number: P559700
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-9, 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-025U-075D-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

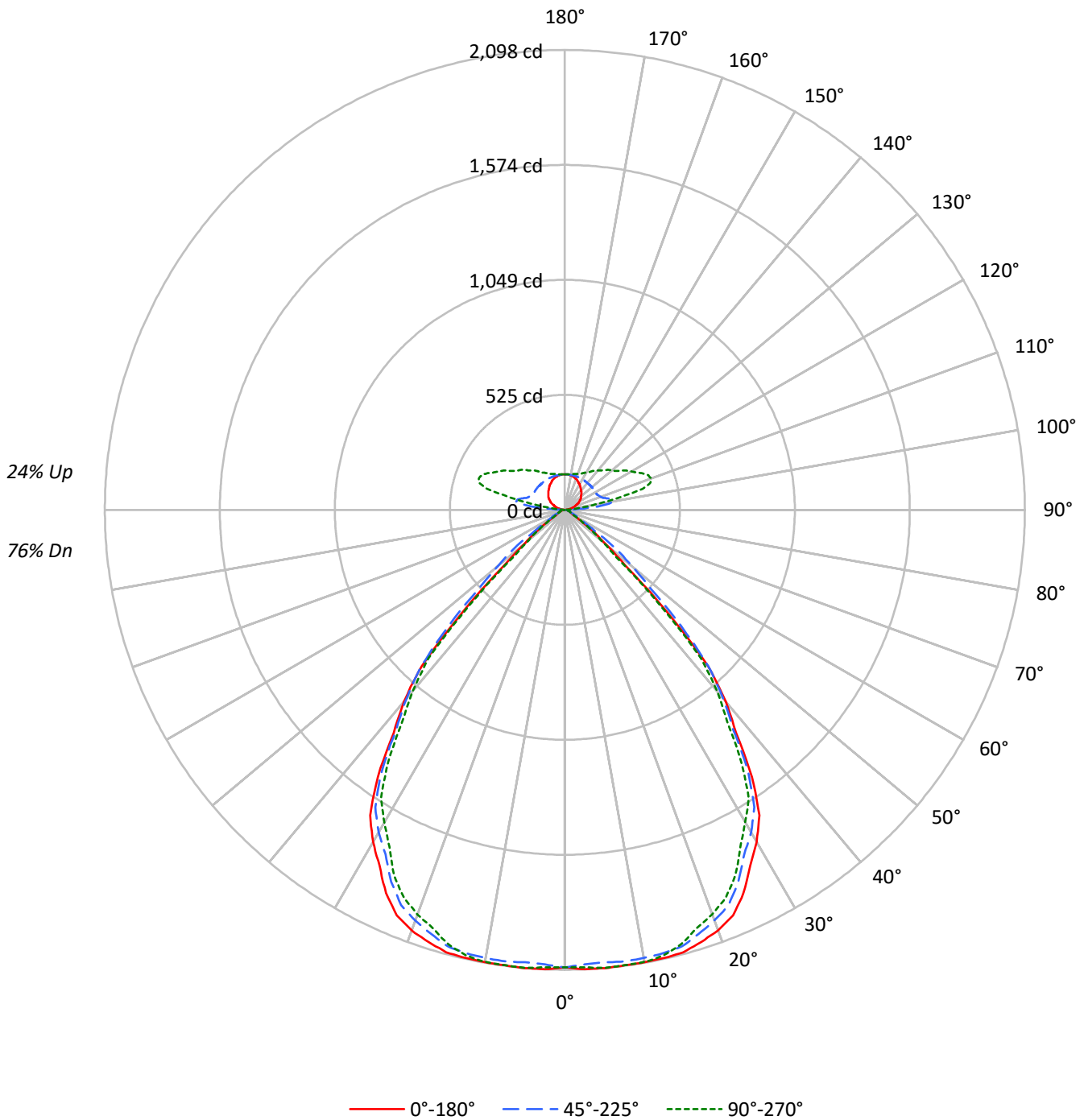
Lumens per Lamp: N/A
Luminaire Lumens: 4270.8 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35
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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76				
1	106	103	100	97	101	99	96	93	90	88	86	82	81	80	75	74	73	70				
2	99	93	88	84	95	90	85	82	83	79	76	76	73	71	70	68	66	63				
3	93	85	79	74	89	82	76	72	76	71	68	70	67	64	65	62	60	57				
4	86	77	71	66	83	75	69	64	69	65	61	64	61	57	60	57	54	52				
5	81	71	64	59	77	68	62	57	64	59	55	60	55	52	56	52	49	47				
6	75	65	58	53	72	63	56	52	59	53	49	55	51	47	52	48	45	43				
7	71	60	53	48	68	58	51	47	54	49	45	51	46	43	48	44	41	39				
8	66	55	48	43	63	53	47	43	50	45	41	47	43	39	45	41	38	36				
9	62	51	44	40	60	50	43	39	47	41	38	44	40	36	42	38	35	33				
10	59	47	41	36	56	46	40	36	44	38	35	41	37	33	39	35	32	31				

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	4.7
10°-20°	583.5	13.7
20°-30°	862.7	20.2
30°-40°	892.7	20.9
40°-50°	536.9	12.6
50°-60°	128.5	3.0
60°-70°	35.1	0.8
70°-80°	19.6	0.5
80°-90°	6.6	0.2
90°-100°	65.6	1.5
100°-110°	203.9	4.8
110°-120°	199.5	4.7
120°-130°	162.9	3.8
130°-140°	133.2	3.1
140°-150°	104.0	2.4
150°-160°	75.0	1.8
160°-170°	45.9	1.1
170°-180°	15.5	0.4
0°-30°	1645.8	38.5
0°-40°	2538.4	59.4
0°-60°	3203.9	75.0
0°-90°	3265.2	76.5
90°-120°	469.0	11.0
90°-150°	869.1	20.4
90°-180°	1006.0	23.6
0°-180°	4270.8	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	3	3	1
95°	9	26	120	44	29	10
105°	36	50	201	383	366	38
115°	64	75	163	336	394	63
125°	88	98	161	264	310	79
135°	106	118	160	228	256	82
145°	124	134	160	197	215	78
155°	142	147	161	177	183	66
165°	156	157	162	167	169	44
175°	162	162	162	163	162	15
180°	162	162	162	162	162	



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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	2.2	2.2
90°	0.0	1.0	3.0	3.0	3.0
92.5°	3.2	11.1	38.0	12.5	10.1
95°	8.9	26.4	120.3	44.4	28.8
97.5°	16.3	34.4	199.2	124.0	78.1
100°	21.9	38.4	224.6	210.1	140.1
102.5°	27.4	43.2	219.9	300.1	235.6
105°	35.8	50.4	200.8	383.3	365.8
107.5°	44.1	57.7	182.5	389.7	408.9
110°	49.7	63.3	172.9	380.5	418.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	55.3	68.1	168.2	364.1	412.1
115°	63.6	75.3	163.0	336.3	393.6
117.5°	71.8	82.5	160.8	309.7	368.4
120°	76.5	87.2	160.0	294.5	350.9
122.5°	81.3	92.0	160.8	281.7	333.4
125°	88.5	98.2	161.0	264.4	310.1
127.5°	94.2	104.1	161.0	251.6	290.4
130°	97.4	108.1	161.0	244.3	279.3
132.5°	101.4	112.1	160.2	237.9	270.5
135°	106.4	118.0	160.0	228.3	256.4
137.5°	112.1	122.8	160.0	218.7	244.3
140°	115.3	126.0	160.0	212.2	235.6
142.5°	119.3	129.2	160.0	205.8	226.8
145°	124.2	134.0	160.0	197.2	214.7
147.5°	130.2	138.6	161.0	189.2	203.0
150°	134.2	141.0	161.0	185.1	195.8
152.5°	137.4	143.4	161.0	181.1	190.2
155°	142.1	147.0	161.0	177.1	182.9
157.5°	146.9	150.6	161.0	173.4	177.1
160°	150.1	153.0	161.0	171.0	173.9
162.5°	152.5	154.6	161.0	169.4	171.6
165°	156.0	157.0	162.0	167.0	169.0
167.5°	158.2	158.4	161.0	165.6	166.6
170°	159.0	160.0	161.0	164.0	165.0
172.5°	160.6	160.8	161.8	163.2	163.4
175°	162.0	162.0	162.0	163.0	162.0
177.5°	162.0	162.0	162.0	162.0	162.0
180°	162.0	162.0	162.0	162.0	162.0

(END OF REPORT)