

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: P303021

Luminaire Tested: **CTW-F-0100-40L935-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-40L935-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

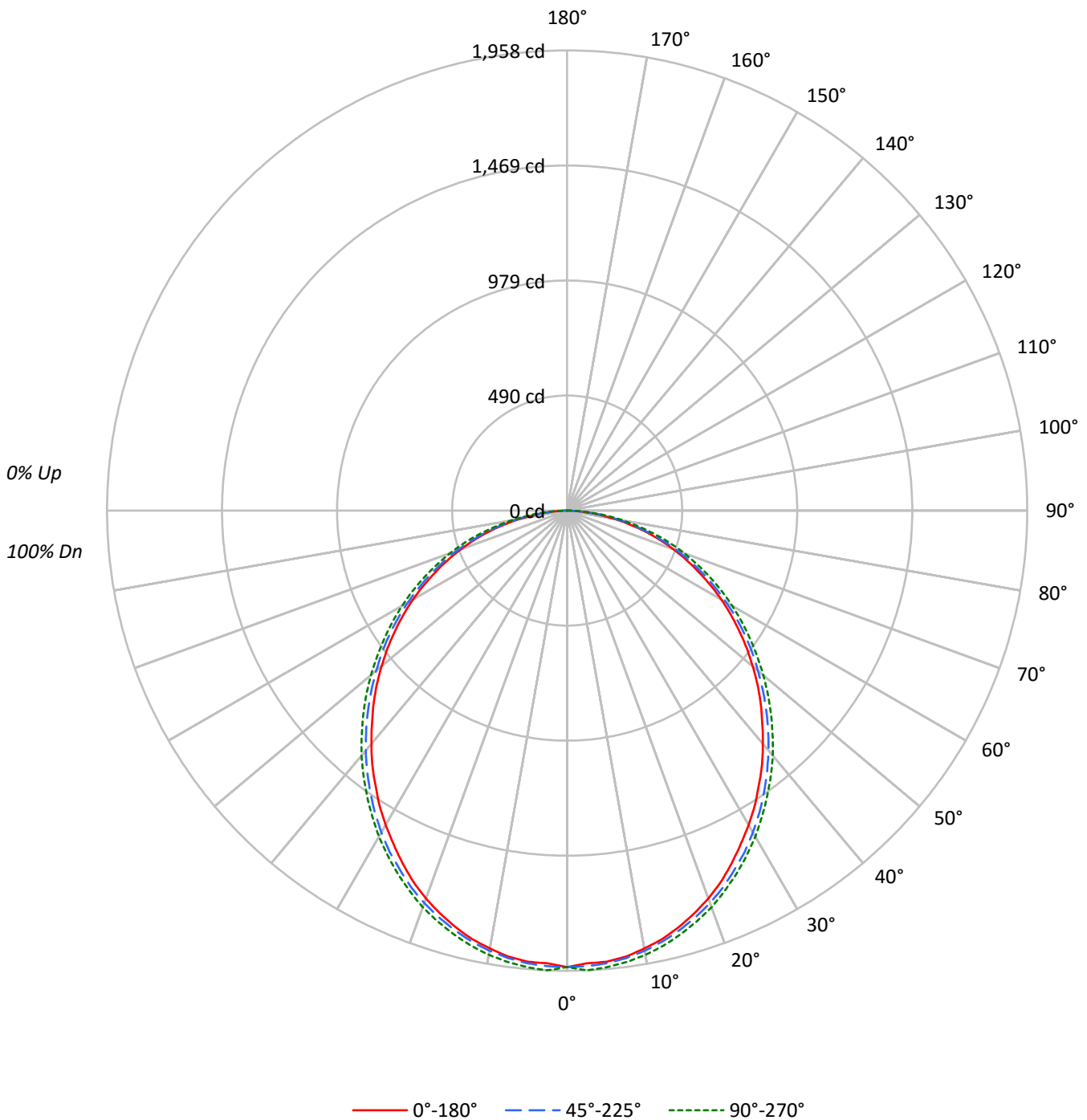
Lumens per Lamp: N/A
Luminaire Lumens: 5246.3 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 56.7
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: 25 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27877	27877	27877
5°	27760	27854	28096
10°	27573	27705	27969
15°	27268	27459	27728
20°	26825	27142	27438
25°	26219	26689	26996
30°	25597	26197	26540
35°	24935	25592	25999
40°	24269	24970	25502
45°	23644	24299	24902
50°	23011	23674	24337
55°	22394	23105	23753
60°	21760	22464	23282
65°	20963	21754	22763
70°	20213	20918	22219
75°	18975	19835	21343
80°	16761	18042	19960
85°	12120	14244	17867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	3.5
10°-20°	520.0	9.9
20°-30°	772.1	14.7
30°-40°	907.7	17.3
40°-50°	920.6	17.5
50°-60°	824.2	15.7
60°-70°	635.5	12.1
70°-80°	379.2	7.2
80°-90°	103.7	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1475.4	28.1
0°-40°	2383.1	45.4
0°-60°	4127.8	78.7
0°-90°	5246.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5246.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1942	1942	1942	1942	1942	
5°	1927	1927	1933	1927	1950	183
15°	1835	1838	1848	1842	1866	517
25°	1656	1658	1685	1682	1705	763
35°	1423	1427	1461	1462	1484	891
45°	1165	1169	1197	1210	1227	899
55°	895	902	923	940	949	800
65°	617	624	641	659	670	612
75°	342	345	358	371	385	361
85°	74	76	86	101	108	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1942.4	1942.4	1942.4	1942.4	1942.4
2.5°	1928.2	1936.0	1939.8	1934.7	1957.9
5°	1926.9	1926.9	1933.4	1926.9	1950.2
7.5°	1914.0	1914.0	1920.5	1914.0	1937.3
10°	1892.0	1893.3	1901.1	1895.9	1919.2
12.5°	1867.5	1866.2	1877.8	1871.4	1895.9
15°	1835.2	1837.8	1848.1	1841.7	1866.2
17.5°	1797.8	1801.6	1814.6	1808.1	1832.6
20°	1756.4	1757.7	1777.1	1769.4	1796.5
22.5°	1709.9	1708.7	1734.5	1728.0	1751.3
25°	1655.7	1658.3	1685.4	1681.5	1704.8
27.5°	1600.2	1604.0	1636.3	1629.9	1654.4
30°	1544.6	1547.2	1580.8	1575.6	1601.5
32.5°	1486.5	1489.1	1522.7	1521.4	1543.3
35°	1423.2	1427.1	1460.7	1462.0	1483.9
37.5°	1362.5	1363.8	1397.4	1401.3	1423.2
40°	1295.4	1300.5	1332.8	1339.3	1361.2
42.5°	1229.5	1234.7	1265.7	1274.7	1294.1
45°	1164.9	1168.8	1197.2	1210.1	1226.9
47.5°	1099.1	1101.7	1128.8	1143.0	1158.5
50°	1030.6	1035.8	1060.3	1074.5	1090.0
52.5°	963.5	968.6	993.2	1007.4	1019.0
55°	895.0	901.5	923.4	940.2	949.3
57.5°	826.6	833.0	853.7	870.5	880.8
60°	758.1	764.6	782.6	800.7	811.1
62.5°	687.1	694.8	711.6	731.0	741.3
65°	617.3	623.8	640.6	658.7	670.3
67.5°	548.9	555.3	569.6	586.3	599.3
70°	481.7	485.6	498.5	515.3	529.5
72.5°	413.3	417.2	427.5	443.0	458.5
75°	342.2	344.8	357.7	370.7	384.9
77.5°	271.2	273.8	285.4	299.6	311.3
80°	202.8	206.6	218.3	231.2	241.5
82.5°	135.6	138.2	152.4	165.3	173.1
85°	73.6	76.2	86.5	100.7	108.5
87.5°	19.4	20.7	27.1	40.0	49.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)