

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: P303008

Luminaire Tested: **CTW-F-0100-30L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-30L840-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

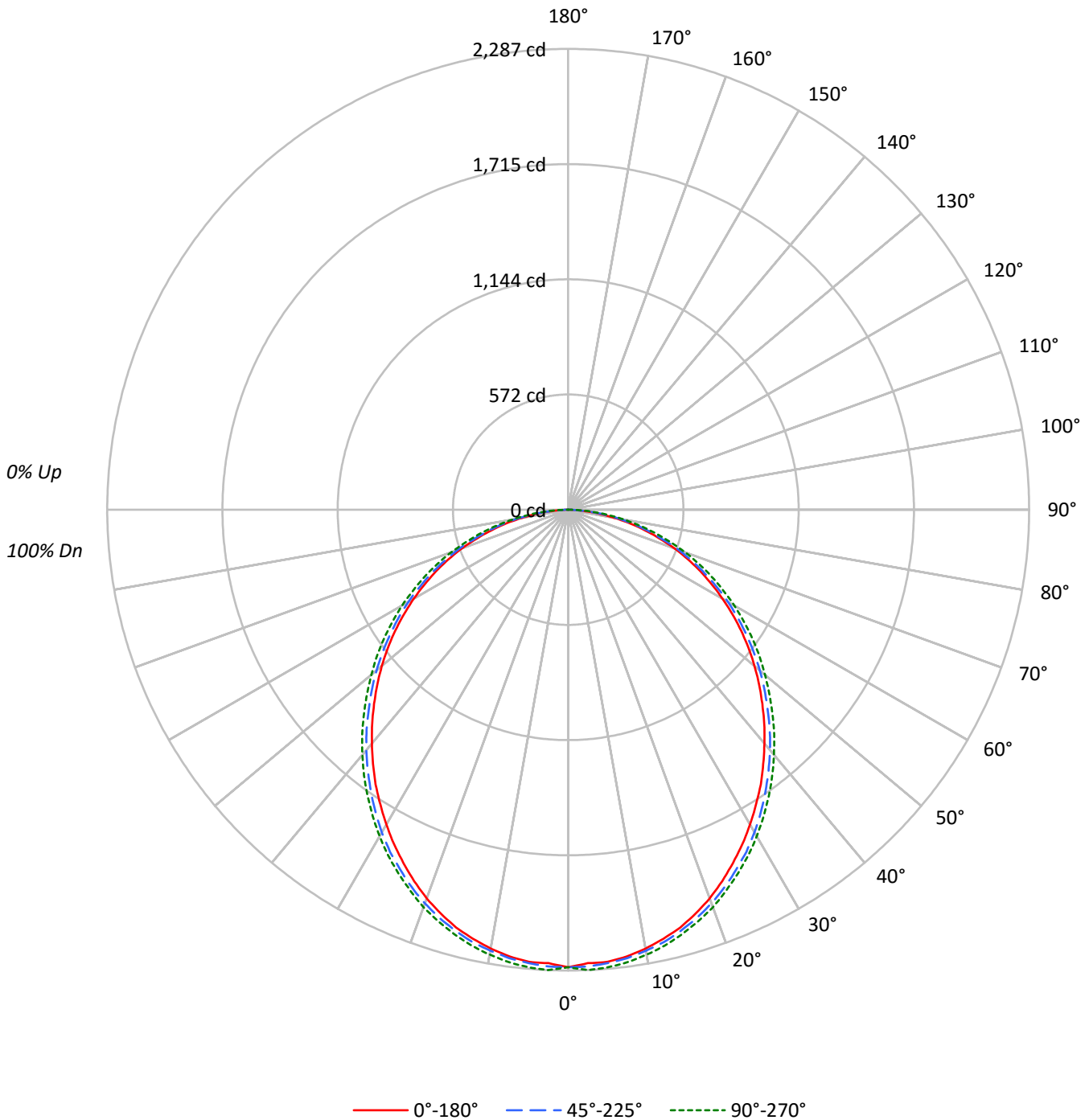
Lumens per Lamp: N/A
Luminaire Lumens: 6129.7 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 54.9
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: 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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70					70			
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59					59			
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50					50			
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43					43			
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38					38			
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34					34			
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30					30			
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27					27			
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24443	24443	24443
5°	24338	24404	24625
10°	24174	24285	24508
15°	23920	24101	24306
20°	23513	23817	24050
25°	22975	23411	23654
30°	22422	22980	23259
35°	21884	22420	22795
40°	21282	21883	22313
45°	20728	21287	21814
50°	20209	20788	21334
55°	19663	20236	20924
60°	19046	19704	20494
65°	18432	19054	19989
70°	17643	18411	19374
75°	16361	17293	18482
80°	14406	15918	17313
85°	10325	12079	15611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.3	3.5
10°-20°	608.1	9.9
20°-30°	902.7	14.7
30°-40°	1061.1	17.3
40°-50°	1076.4	17.6
50°-60°	963.4	15.7
60°-70°	742.5	12.1
70°-80°	441.0	7.2
80°-90°	120.3	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°	1725.2	28.1
0°-40°	2786.3	45.5
0°-60°	4826.0	78.7
0°-90°	6129.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6129.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2271	2271	2271	2271	2271	
5°	2252	2252	2259	2252	2279	214
15°	2146	2151	2163	2155	2181	604
25°	1934	1936	1971	1965	1992	891
35°	1665	1670	1706	1708	1735	1041
45°	1362	1368	1398	1415	1433	1051
55°	1048	1052	1078	1097	1115	936
65°	724	730	748	768	785	716
75°	393	402	416	430	444	416
85°	84	86	98	120	126	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2270.8	2270.8	2270.8	2270.8	2270.8
2.5°	2252.5	2262.7	2268.8	2262.7	2287.2
5°	2252.5	2252.5	2258.6	2252.5	2279.0
7.5°	2236.2	2236.2	2244.3	2238.2	2264.7
10°	2211.7	2213.8	2221.9	2215.8	2242.3
12.5°	2181.2	2183.2	2197.5	2187.3	2215.8
15°	2146.5	2150.6	2162.8	2154.7	2181.2
17.5°	2101.7	2107.8	2124.1	2113.9	2142.4
20°	2052.7	2054.8	2079.2	2071.1	2099.6
22.5°	1995.7	1995.7	2028.3	2020.1	2046.6
25°	1934.5	1936.5	1971.2	1965.1	1991.6
27.5°	1871.3	1877.4	1914.1	1908.0	1934.5
30°	1804.0	1810.2	1848.9	1844.8	1871.3
32.5°	1734.7	1740.8	1779.6	1777.5	1804.0
35°	1665.4	1669.5	1706.2	1708.2	1734.7
37.5°	1590.0	1596.1	1632.8	1638.9	1663.4
40°	1514.6	1522.7	1557.4	1565.5	1588.0
42.5°	1439.2	1445.3	1479.9	1490.1	1512.5
45°	1361.7	1367.8	1398.4	1414.7	1433.0
47.5°	1284.2	1290.3	1320.9	1333.2	1353.5
50°	1206.8	1210.8	1241.4	1257.7	1274.0
52.5°	1127.3	1133.4	1159.9	1176.2	1196.6
55°	1047.8	1051.8	1078.3	1096.7	1115.0
57.5°	966.2	972.3	996.8	1017.2	1033.5
60°	884.7	890.8	915.3	933.6	952.0
62.5°	803.2	811.3	831.7	854.1	866.3
65°	723.7	729.8	748.1	768.5	784.8
67.5°	642.1	648.2	664.5	684.9	701.2
70°	560.6	566.7	585.0	601.3	615.6
72.5°	475.0	481.1	495.3	513.7	528.0
75°	393.4	401.6	415.8	430.1	444.4
77.5°	313.9	322.1	336.3	352.7	360.8
80°	232.4	240.5	256.8	271.1	279.3
82.5°	154.9	159.0	177.3	195.7	201.8
85°	83.6	85.6	97.8	120.3	126.4
87.5°	20.4	22.4	30.6	46.9	55.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)