

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: P302996

Luminaire Tested: **CTW-F-0100-30L840-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302996
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-4
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

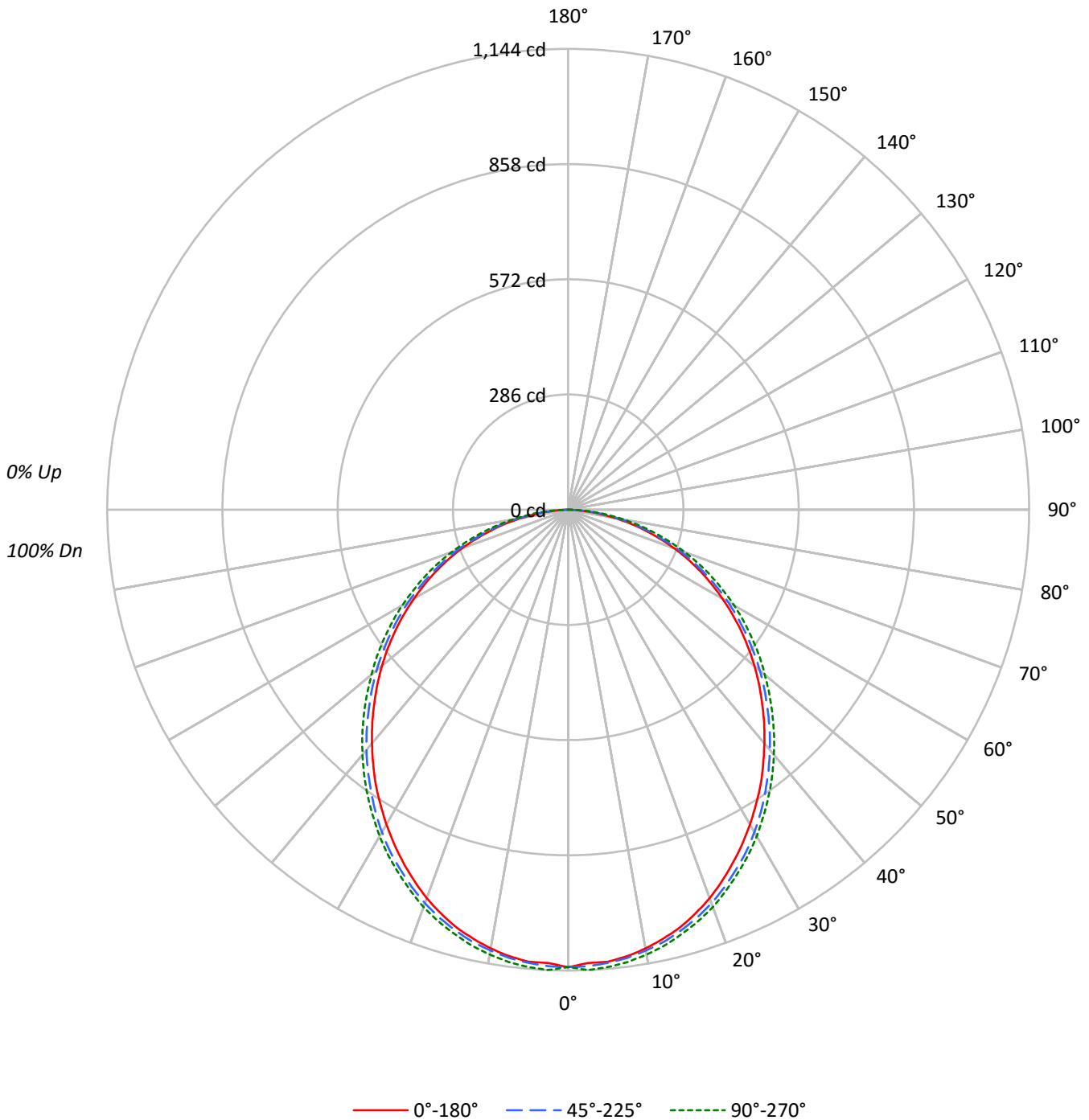
Lumens per Lamp: N/A
Luminaire Lumens: 3064.9 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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°	24339	24404	24625
10°	24175	24286	24509
15°	23921	24101	24306
20°	23514	23817	24050
25°	22977	23411	23654
30°	22422	22979	23260
35°	21884	22420	22796
40°	21282	21883	22313
45°	20727	21287	21814
50°	20209	20788	21334
55°	19663	20238	20924
60°	19044	19702	20494
65°	18430	19056	19989
70°	17643	18411	19374
75°	16361	17293	18482
80°	14406	15918	17307
85°	10325	12079	15611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	3.5
10°-20°	304.1	9.9
20°-30°	451.4	14.7
30°-40°	530.6	17.3
40°-50°	538.2	17.6
50°-60°	481.7	15.7
60°-70°	371.2	12.1
70°-80°	220.5	7.2
80°-90°	60.1	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°	862.6	28.1
0°-40°	1393.1	45.5
0°-60°	2413.0	78.7
0°-90°	3064.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3064.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1135	1135	1135	1135	1135	
5°	1126	1126	1129	1126	1140	107
15°	1073	1075	1081	1077	1091	302
25°	967	968	986	982	996	446
35°	833	835	853	854	867	520
45°	681	684	699	707	716	526
55°	524	526	539	548	558	468
65°	362	365	374	384	392	358
75°	197	201	208	215	222	208
85°	42	43	49	60	63	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1135.4	1135.4	1135.4	1135.4	1135.4
2.5°	1126.3	1131.3	1134.4	1131.3	1143.6
5°	1126.3	1126.3	1129.3	1126.3	1139.5
7.5°	1118.1	1118.1	1122.2	1119.1	1132.4
10°	1105.9	1106.9	1111.0	1107.9	1121.2
12.5°	1090.6	1091.6	1098.7	1093.6	1107.9
15°	1073.3	1075.3	1081.4	1077.3	1090.6
17.5°	1050.8	1053.9	1062.0	1056.9	1071.2
20°	1026.4	1027.4	1039.6	1035.5	1049.8
22.5°	997.8	997.8	1014.1	1010.1	1023.3
25°	967.3	968.3	985.6	982.5	995.8
27.5°	935.7	938.7	957.1	954.0	967.3
30°	902.0	905.1	924.4	922.4	935.7
32.5°	867.4	870.4	889.8	888.8	902.0
35°	832.7	834.8	853.1	854.1	867.4
37.5°	795.0	798.1	816.4	819.5	831.7
40°	757.3	761.4	778.7	782.8	794.0
42.5°	719.6	722.6	740.0	745.1	756.3
45°	680.8	683.9	699.2	707.3	716.5
47.5°	642.1	645.2	660.5	666.6	676.8
50°	603.4	605.4	620.7	628.9	637.0
52.5°	563.6	566.7	579.9	588.1	598.3
55°	523.9	525.9	539.2	548.3	557.5
57.5°	483.1	486.2	498.4	508.6	516.8
60°	442.3	445.4	457.6	466.8	476.0
62.5°	401.6	405.7	415.8	427.1	433.2
65°	361.8	364.9	374.1	384.3	392.4
67.5°	321.1	324.1	332.3	342.5	350.6
70°	280.3	283.3	292.5	300.7	307.8
72.5°	237.5	240.5	247.7	256.8	264.0
75°	196.7	200.8	207.9	215.1	222.2
77.5°	157.0	161.0	168.2	176.3	180.4
80°	116.2	120.3	128.4	135.6	139.6
82.5°	77.5	79.5	88.7	97.8	100.9
85°	41.8	42.8	48.9	60.1	63.2
87.5°	10.2	11.2	15.3	23.4	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)