

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: P234569

Luminaire Tested: **CTA-F-0100-60L830-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-19)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-0100-60L830-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (1008) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17419.8 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Direct

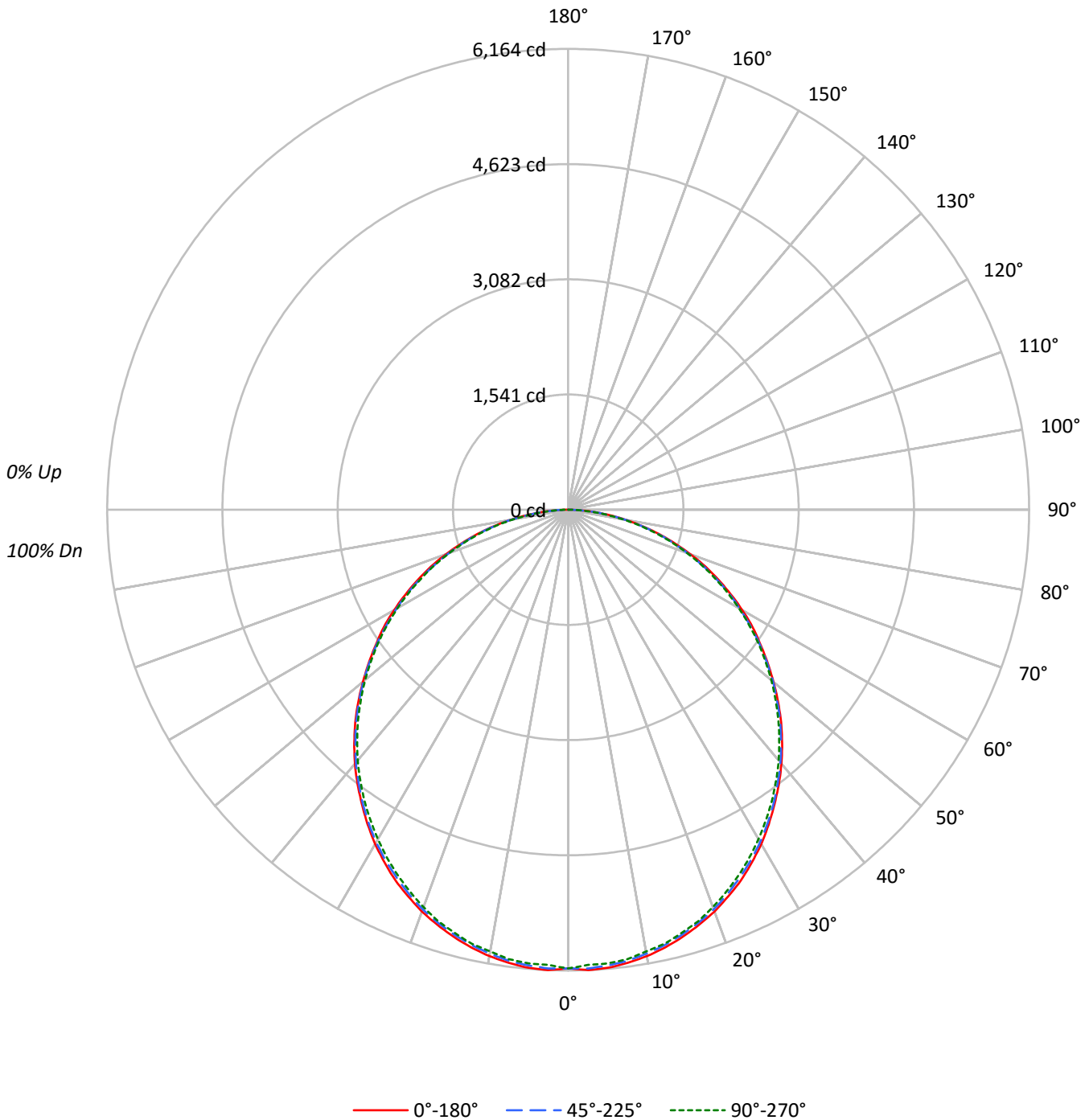
Input Watts (W): 207.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29				29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26				26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13208	13208	13208
5°	13289	13221	13164
10°	13254	13178	13115
15°	13185	13114	13063
20°	13104	13031	12958
25°	12990	12894	12812
30°	12835	12763	12648
35°	12637	12591	12485
40°	12467	12410	12305
45°	12259	12197	12101
50°	11998	11969	11872
55°	11768	11703	11627
60°	11575	11413	11351
65°	11284	11093	11020
70°	10929	10693	10639
75°	10436	10292	10100
80°	9726	9584	9297
85°	8551	8052	7195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.5	3.3
10°-20°	1658.0	9.5
20°-30°	2495.7	14.3
30°-40°	2986.2	17.1
40°-50°	3080.1	17.7
50°-60°	2784.6	16.0
60°-70°	2159.7	12.4
70°-80°	1302.2	7.5
80°-90°	372.8	2.1
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°	4734.1	27.2
0°-40°	7720.3	44.3
0°-60°	13585.1	78.0
0°-90°	17419.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17419.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6136	6136	6136	6136	6136	
5°	6150	6089	6118	6112	6092	584
15°	5916	5850	5885	5885	5862	1669
25°	5469	5397	5429	5409	5394	2518
35°	4809	4762	4791	4760	4751	3011
45°	4027	3998	4007	3972	3975	3104
55°	3136	3127	3118	3095	3098	2809
65°	2215	2195	2178	2166	2164	2195
75°	1255	1243	1238	1220	1214	1326
85°	346	343	326	309	291	393
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6135.6	6135.6	6135.6	6135.6	6135.6
2.5°	6164.4	6109.6	6141.3	6132.7	6095.2
5°	6150.0	6089.4	6118.3	6112.5	6092.3
7.5°	6112.5	6054.8	6086.5	6077.9	6063.5
10°	6063.5	5997.1	6028.8	6020.2	6000.0
12.5°	5997.1	5933.6	5965.4	5956.7	5948.1
15°	5916.3	5850.0	5884.6	5884.6	5861.5
17.5°	5821.1	5760.6	5792.3	5789.4	5772.1
20°	5720.2	5648.1	5688.5	5674.0	5656.7
22.5°	5596.1	5532.7	5564.4	5538.5	5529.8
25°	5469.2	5397.1	5428.8	5408.6	5394.2
27.5°	5319.2	5255.8	5287.5	5258.7	5247.1
30°	5163.5	5097.1	5134.6	5102.9	5088.5
32.5°	4990.4	4941.3	4967.3	4935.6	4921.2
35°	4808.7	4762.5	4791.3	4759.6	4751.0
37.5°	4626.9	4583.7	4603.8	4575.0	4566.3
40°	4436.5	4396.2	4416.3	4378.8	4378.8
42.5°	4234.6	4200.0	4211.5	4179.8	4176.9
45°	4026.9	3998.1	4006.7	3972.1	3975.0
47.5°	3807.7	3784.6	3790.4	3761.5	3758.7
50°	3582.7	3571.2	3574.0	3539.4	3545.2
52.5°	3360.6	3351.9	3346.2	3323.1	3320.2
55°	3135.6	3126.9	3118.3	3095.2	3098.1
57.5°	2925.0	2899.0	2884.6	2870.2	2867.3
60°	2688.5	2665.4	2651.0	2633.7	2636.5
62.5°	2451.9	2434.6	2420.2	2405.8	2400.0
65°	2215.4	2195.2	2177.9	2166.3	2163.5
67.5°	1987.5	1952.9	1938.5	1929.8	1926.9
70°	1736.5	1716.3	1699.0	1690.4	1690.4
72.5°	1497.1	1476.9	1468.3	1456.7	1451.0
75°	1254.8	1243.3	1237.5	1220.2	1214.4
77.5°	1015.4	1009.6	1003.8	983.7	977.9
80°	784.6	778.8	773.1	750.0	750.0
82.5°	556.7	553.8	542.3	522.1	510.6
85°	346.2	343.3	326.0	308.7	291.3
87.5°	150.0	141.3	121.2	106.7	109.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)