

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: P234571

Luminaire Tested: **CTA-F-0100-60L840-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234571
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-0100-60L840-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (1008) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18465.0 lumens
Efficiency: N/A
Efficacy: 89.0 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

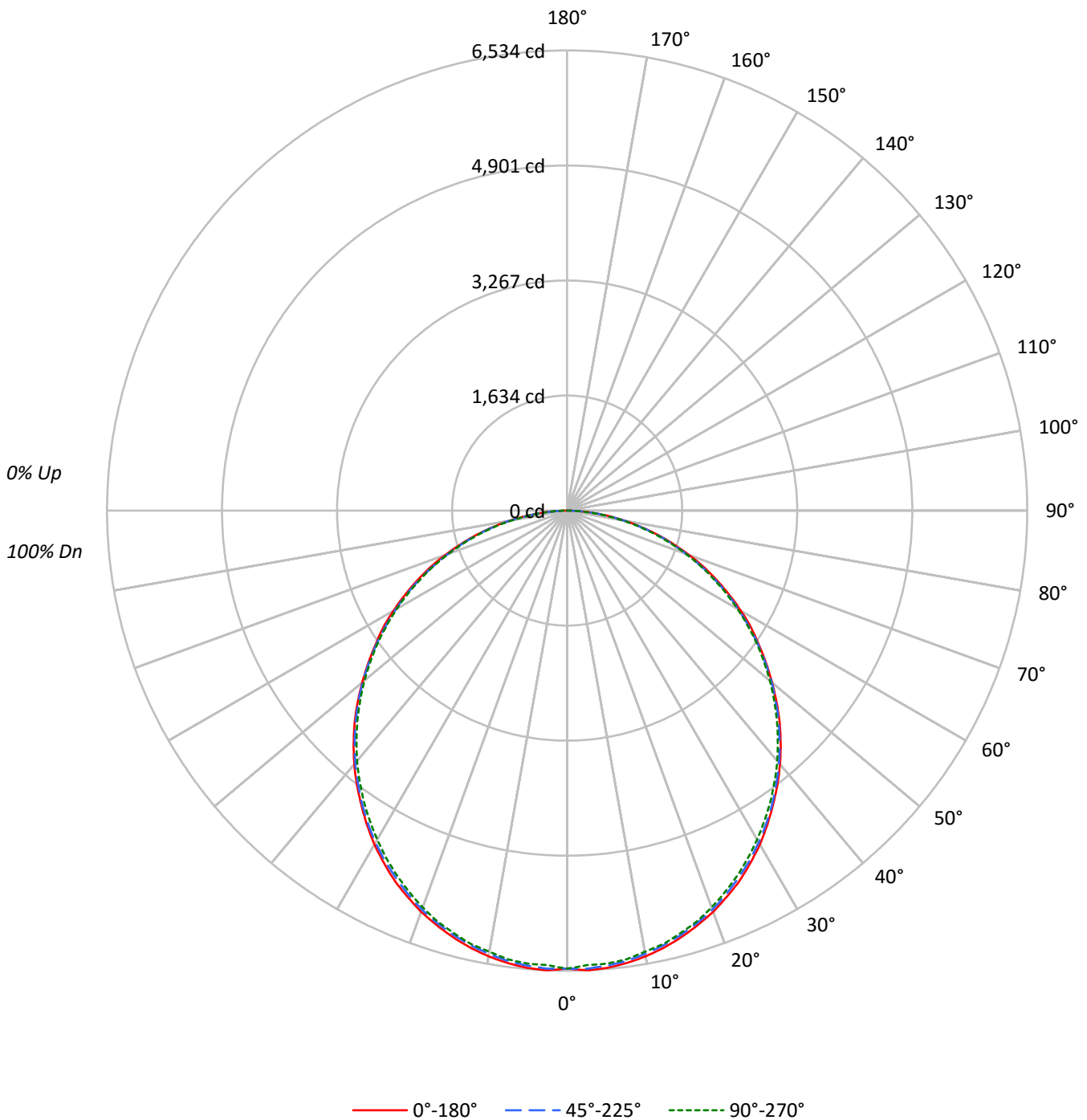
Input Watts (W): 207.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14000	14000	14000
5°	14086	14014	13954
10°	14049	13969	13902
15°	13976	13901	13846
20°	13890	13813	13736
25°	13770	13668	13581
30°	13605	13528	13407
35°	13395	13346	13234
40°	13215	13155	13043
45°	12994	12929	12827
50°	12718	12687	12585
55°	12474	12405	12325
60°	12269	12098	12032
65°	11961	11759	11681
70°	11585	11335	11277
75°	11063	10909	10707
80°	10310	10159	9855
85°	9062	8533	7627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.3	3.3
10°-20°	1757.5	9.5
20°-30°	2645.4	14.3
30°-40°	3165.4	17.1
40°-50°	3264.9	17.7
50°-60°	2951.7	16.0
60°-70°	2289.3	12.4
70°-80°	1380.3	7.5
80°-90°	395.2	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°	5018.2	27.2
0°-40°	8183.6	44.3
0°-60°	14400.2	78.0
0°-90°	18465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6504	6504	6504	6504	6504	
5°	6519	6455	6485	6479	6458	619
15°	6271	6201	6238	6238	6213	1769
25°	5797	5721	5755	5733	5718	2669
35°	5097	5048	5079	5045	5036	3191
45°	4268	4238	4247	4210	4214	3290
55°	3324	3314	3305	3281	3284	2977
65°	2348	2327	2309	2296	2293	2326
75°	1330	1318	1312	1293	1287	1406
85°	367	364	346	327	309	417
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6503.7	6503.7	6503.7	6503.7	6503.7
2.5°	6534.3	6476.2	6509.8	6500.6	6460.9
5°	6519.0	6454.8	6485.4	6479.2	6457.8
7.5°	6479.2	6418.1	6451.7	6442.6	6427.3
10°	6427.3	6356.9	6390.6	6381.4	6360.0
12.5°	6356.9	6289.7	6323.3	6314.1	6305.0
15°	6271.3	6201.0	6237.7	6237.7	6213.2
17.5°	6170.4	6106.2	6139.8	6136.8	6118.4
20°	6063.4	5987.0	6029.8	6014.5	5996.1
22.5°	5931.9	5864.6	5898.3	5870.8	5861.6
25°	5797.4	5720.9	5754.6	5733.2	5717.9
27.5°	5638.4	5571.1	5604.7	5574.2	5561.9
30°	5473.3	5402.9	5442.7	5409.1	5393.8
32.5°	5289.8	5237.8	5265.3	5231.7	5216.4
35°	5097.2	5048.2	5078.8	5045.2	5036.0
37.5°	4904.5	4858.7	4880.1	4849.5	4840.3
40°	4702.7	4659.9	4681.3	4641.6	4641.6
42.5°	4488.7	4452.0	4464.2	4430.6	4427.5
45°	4268.5	4238.0	4247.1	4210.4	4213.5
47.5°	4036.2	4011.7	4017.8	3987.2	3984.2
50°	3797.7	3785.4	3788.5	3751.8	3757.9
52.5°	3562.2	3553.0	3546.9	3522.5	3519.4
55°	3323.7	3314.5	3305.4	3280.9	3284.0
57.5°	3100.5	3073.0	3057.7	3042.4	3039.3
60°	2849.8	2825.3	2810.0	2791.7	2794.7
62.5°	2599.0	2580.7	2565.4	2550.1	2544.0
65°	2348.3	2326.9	2308.6	2296.3	2293.3
67.5°	2106.7	2070.1	2054.8	2045.6	2042.5
70°	1840.7	1819.3	1801.0	1791.8	1791.8
72.5°	1586.9	1565.5	1556.4	1544.1	1538.0
75°	1330.1	1317.9	1311.7	1293.4	1287.3
77.5°	1076.3	1070.2	1064.1	1042.7	1036.6
80°	831.7	825.6	819.5	795.0	795.0
82.5°	590.1	587.1	574.8	553.4	541.2
85°	366.9	363.9	345.5	327.2	308.8
87.5°	159.0	149.8	128.4	113.1	116.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)