

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: P234861

Luminaire Tested: **CTA-F-2575-20L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4_PR)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-20L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6826.3 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Direct

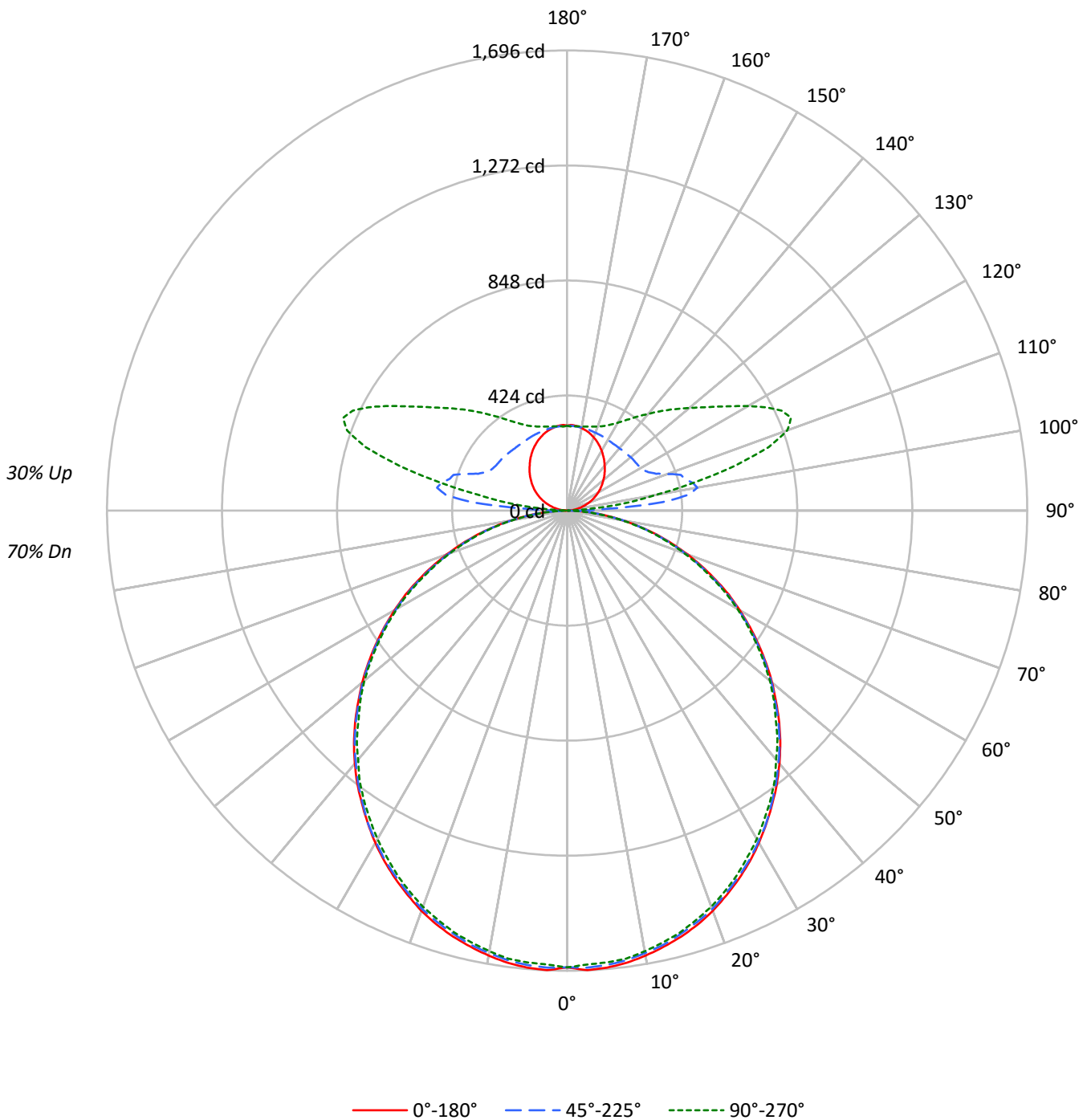
Input Watts (W): 56.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	94	94	94		84	84	84		74	74	74	70
1	102	97	93	89	96	92	89	85	82	80	77		74	71	69		65	64	62	58
2	93	85	78	73	87	80	74	70	72	67	63		64	61	58		57	54	52	48
3	84	74	66	60	79	70	63	58	63	58	53		57	52	48		50	47	44	41
4	77	66	57	51	73	62	55	49	56	50	45		50	45	41		45	41	38	35
5	71	59	50	44	67	56	48	42	50	44	39		45	40	36		40	36	33	30
6	65	53	44	38	61	50	42	37	45	39	34		41	35	31		37	32	29	26
7	60	47	39	33	57	45	38	32	41	35	30		37	32	28		33	29	25	23
8	56	43	35	29	53	41	34	28	37	31	27		34	29	25		31	26	23	21
9	52	39	32	26	49	38	30	25	34	28	24		31	26	22		28	24	21	19
10	49	36	29	24	46	35	28	23	32	26	22		29	24	20		26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3623	3623	3623
5°	3654	3633	3612
10°	3640	3620	3605
15°	3622	3601	3587
20°	3596	3581	3559
25°	3557	3541	3520
30°	3515	3503	3475
35°	3466	3455	3430
40°	3420	3407	3368
45°	3364	3352	3308
50°	3303	3289	3266
55°	3233	3215	3189
60°	3159	3139	3118
65°	3077	3039	3004
70°	2969	2922	2891
75°	2839	2782	2759
80°	2614	2590	2539
85°	2344	2191	2006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	2.3
10°-20°	455.3	6.7
20°-30°	685.1	10.0
30°-40°	819.8	12.0
40°-50°	845.9	12.4
50°-60°	764.8	11.2
60°-70°	590.7	8.7
70°-80°	354.7	5.2
80°-90°	102.6	1.5
90°-100°	165.8	2.4
100°-110°	420.3	6.2
110°-120°	422.2	6.2
120°-130°	327.5	4.8
130°-140°	257.5	3.8
140°-150°	196.3	2.9
150°-160°	141.3	2.1
160°-170°	87.3	1.3
170°-180°	29.7	0.4
0°-30°	1299.8	19.0
0°-40°	2119.6	31.1
0°-60°	3730.3	54.6
0°-90°	4778.3	70.0
90°-120°	1008.4	14.8
90°-150°	1789.6	26.2
90°-180°	2048.0	30.0
0°-180°	6826.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1683	1683	1683	1683	1683	
5°	1691	1674	1681	1676	1672	161
15°	1625	1610	1616	1614	1610	459
25°	1498	1484	1491	1482	1482	690
35°	1319	1310	1315	1302	1305	826
45°	1105	1096	1101	1089	1087	852
55°	861	859	857	848	850	770
65°	604	599	597	592	590	598
75°	341	336	334	334	332	359
85°	95	95	89	83	81	101
90°	1	2	2	2	1	7
95°	18	61	354	167	108	19
105°	61	102	449	732	642	65
115°	108	136	333	748	872	107
125°	154	177	308	556	667	137
135°	195	213	302	453	524	151
145°	236	247	299	374	415	147
155°	272	276	303	330	345	125
165°	300	299	308	317	320	84
175°	315	311	312	312	312	30
180°	313	313	313	313	313	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1683.3	1683.3	1683.3	1683.3	1683.3
2.5°	1695.5	1679.2	1686.0	1683.3	1674.4
5°	1690.8	1674.4	1681.2	1676.4	1671.7
7.5°	1681.2	1665.5	1671.7	1666.9	1665.5
10°	1665.5	1649.1	1656.0	1650.5	1649.1
12.5°	1646.4	1630.0	1639.6	1634.8	1630.0
15°	1625.2	1609.5	1615.7	1614.3	1609.5
17.5°	1600.0	1583.6	1590.4	1588.4	1581.6
20°	1569.9	1553.6	1563.1	1555.6	1553.6
22.5°	1534.5	1520.8	1528.3	1518.8	1518.8
25°	1497.6	1483.9	1490.8	1481.9	1481.9
27.5°	1458.0	1444.4	1453.2	1442.3	1439.6
30°	1414.3	1402.0	1409.5	1397.9	1397.9
32.5°	1367.2	1358.3	1365.9	1351.5	1351.5
35°	1318.8	1309.9	1314.7	1302.4	1305.1
37.5°	1270.3	1260.7	1265.5	1253.9	1256.0
40°	1217.1	1209.5	1212.3	1200.7	1198.6
42.5°	1163.1	1153.6	1159.0	1147.4	1147.4
45°	1105.1	1096.2	1101.0	1088.7	1086.7
47.5°	1045.0	1042.3	1040.3	1031.4	1033.4
50°	986.3	985.0	982.2	972.7	975.4
52.5°	924.2	921.5	920.1	910.6	912.6
55°	861.4	859.4	856.6	847.8	849.8
57.5°	798.6	796.6	793.8	787.7	787.7
60°	733.8	731.7	729.0	724.2	724.2
62.5°	671.7	668.9	664.2	659.4	659.4
65°	604.1	599.3	596.6	591.8	589.8
67.5°	538.6	531.7	529.7	527.0	524.9
70°	471.7	466.9	464.2	462.1	459.4
72.5°	406.1	402.0	399.3	399.3	394.5
75°	341.3	336.5	334.5	334.5	331.7
77.5°	273.7	276.4	271.7	271.7	266.9
80°	210.9	210.9	208.9	206.8	204.8
82.5°	150.9	153.6	148.8	146.1	141.3
85°	94.9	94.9	88.7	83.3	81.2
87.5°	41.6	39.6	34.8	30.0	25.3
90°	1.4	2.0	2.0	2.0	1.4
92.5°	8.9	39.6	146.8	34.8	23.2
95°	17.7	60.8	353.6	166.6	107.8
97.5°	27.3	73.0	452.6	298.3	225.3
100°	38.2	95.6	487.4	438.9	331.1
102.5°	49.8	100.3	473.7	601.4	484.6
105°	61.4	101.7	449.1	731.7	641.6
107.5°	73.0	103.8	438.9	810.9	778.8
110°	85.3	113.3	393.9	830.7	863.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	96.9	125.6	354.9	802.7	893.5
115°	107.8	136.5	333.1	748.1	871.7
117.5°	120.1	146.8	320.1	688.7	824.6
120°	131.7	157.0	314.0	636.2	770.0
122.5°	142.7	167.2	310.6	592.5	714.7
125°	153.6	176.8	308.5	556.3	666.9
127.5°	163.8	185.7	307.2	526.3	624.6
130°	174.1	194.5	305.8	499.0	587.7
132.5°	185.0	204.1	303.8	475.1	554.9
135°	195.2	213.0	302.4	452.6	524.2
137.5°	205.5	222.5	301.0	430.7	494.2
140°	215.0	230.7	299.7	409.6	465.5
142.5°	225.3	238.9	299.7	391.8	438.9
145°	235.5	247.1	299.0	374.1	415.0
147.5°	245.0	254.6	299.7	360.4	392.5
150°	254.6	262.1	300.3	348.8	374.1
152.5°	263.5	268.9	301.7	337.9	358.4
155°	271.7	275.8	303.1	330.4	345.4
157.5°	279.9	282.6	304.4	325.6	336.5
160°	286.7	288.7	305.1	321.5	329.7
162.5°	293.5	294.2	306.5	318.8	324.2
165°	299.7	299.0	308.5	316.7	320.1
167.5°	304.4	303.1	309.2	314.0	316.7
170°	308.5	307.2	310.6	313.3	314.7
172.5°	312.6	309.2	311.3	312.6	313.3
175°	314.7	310.6	311.9	311.9	311.9
177.5°	316.0	312.6	312.6	312.6	309.9
180°	312.6	312.6	312.6	312.6	312.6

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