

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: P234546

Luminaire Tested: **CTA-F-0100-30L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-0100-30L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9166.2 lumens
Efficiency: N/A
Efficacy: 97.6 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

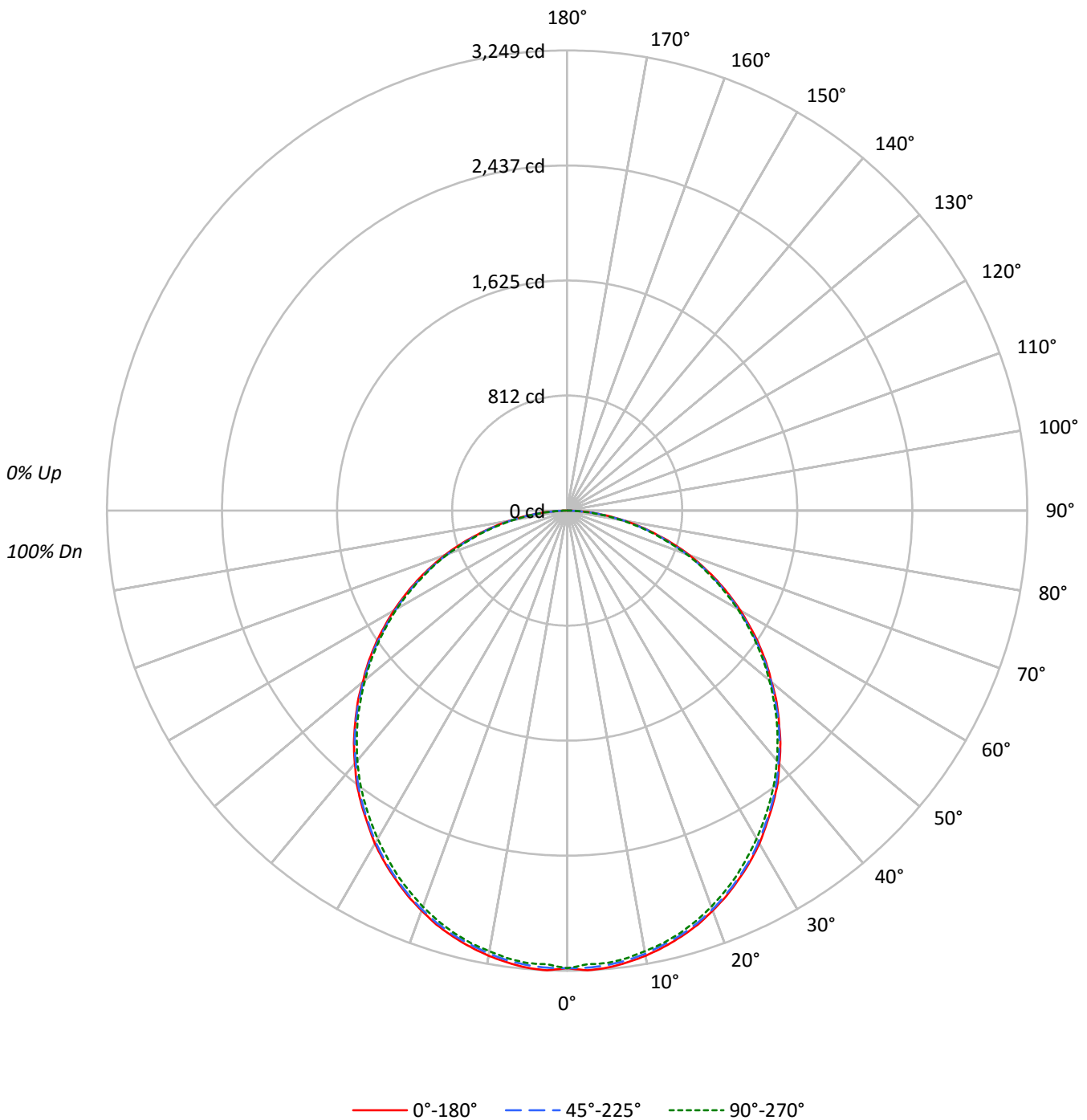
Input Watts (W): 93.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6955	6955	6955
5°	7001	6962	6930
10°	6977	6944	6905
15°	6940	6913	6880
20°	6886	6865	6817
25°	6819	6798	6741
30°	6748	6719	6652
35°	6654	6630	6567
40°	6550	6525	6474
45°	6439	6420	6366
50°	6309	6289	6239
55°	6215	6159	6114
60°	6083	6019	5980
65°	5944	5852	5807
70°	5778	5646	5627
75°	5464	5364	5265
80°	5058	4983	4797
85°	4520	4223	3853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.6	3.3
10°-20°	873.1	9.5
20°-30°	1313.9	14.3
30°-40°	1571.4	17.1
40°-50°	1620.7	17.7
50°-60°	1465.3	16.0
60°-70°	1138.7	12.4
70°-80°	682.2	7.4
80°-90°	195.3	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°	2492.6	27.2
0°-40°	4064.0	44.3
0°-60°	7150.0	78.0
0°-90°	9166.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9166.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3231	3231	3231	3231	3231	
5°	3240	3210	3222	3213	3207	308
15°	3114	3084	3102	3093	3087	879
25°	2871	2847	2862	2841	2838	1323
35°	2532	2508	2523	2502	2499	1584
45°	2115	2106	2109	2088	2091	1633
55°	1656	1647	1641	1629	1629	1479
65°	1167	1155	1149	1140	1140	1154
75°	657	648	645	639	633	697
85°	183	180	171	162	156	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3231	3231	3231	3231	3231
2.5°	3249	3219	3231	3225	3207
5°	3240	3210	3222	3213	3207
7.5°	3219	3189	3204	3195	3189
10°	3192	3162	3177	3168	3159
12.5°	3156	3126	3141	3132	3129
15°	3114	3084	3102	3093	3087
17.5°	3066	3036	3054	3048	3036
20°	3006	2979	2997	2982	2976
22.5°	2943	2919	2934	2913	2910
25°	2871	2847	2862	2841	2838
27.5°	2796	2772	2787	2766	2757
30°	2715	2688	2703	2682	2676
32.5°	2622	2601	2613	2595	2589
35°	2532	2508	2523	2502	2499
37.5°	2439	2415	2427	2403	2406
40°	2331	2313	2322	2301	2304
42.5°	2229	2214	2220	2196	2199
45°	2115	2106	2109	2088	2091
47.5°	2007	1992	1995	1977	1977
50°	1884	1878	1878	1863	1863
52.5°	1773	1764	1761	1746	1749
55°	1656	1647	1641	1629	1629
57.5°	1533	1527	1518	1506	1509
60°	1413	1407	1398	1386	1389
62.5°	1290	1281	1275	1269	1263
65°	1167	1155	1149	1140	1140
67.5°	1041	1032	1026	1020	1020
70°	918	906	897	894	894
72.5°	789	777	768	768	756
75°	657	648	645	639	633
77.5°	534	525	522	516	510
80°	408	405	402	393	387
82.5°	294	291	285	276	270
85°	183	180	171	162	156
87.5°	78	75	63	54	51
90°	0	0	0	0	0

(END OF REPORT)