

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: G3-1805-784-22

Luminaire Tested: **JW-WL-40L83050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1805-784-22
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-40L83050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3983.9 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

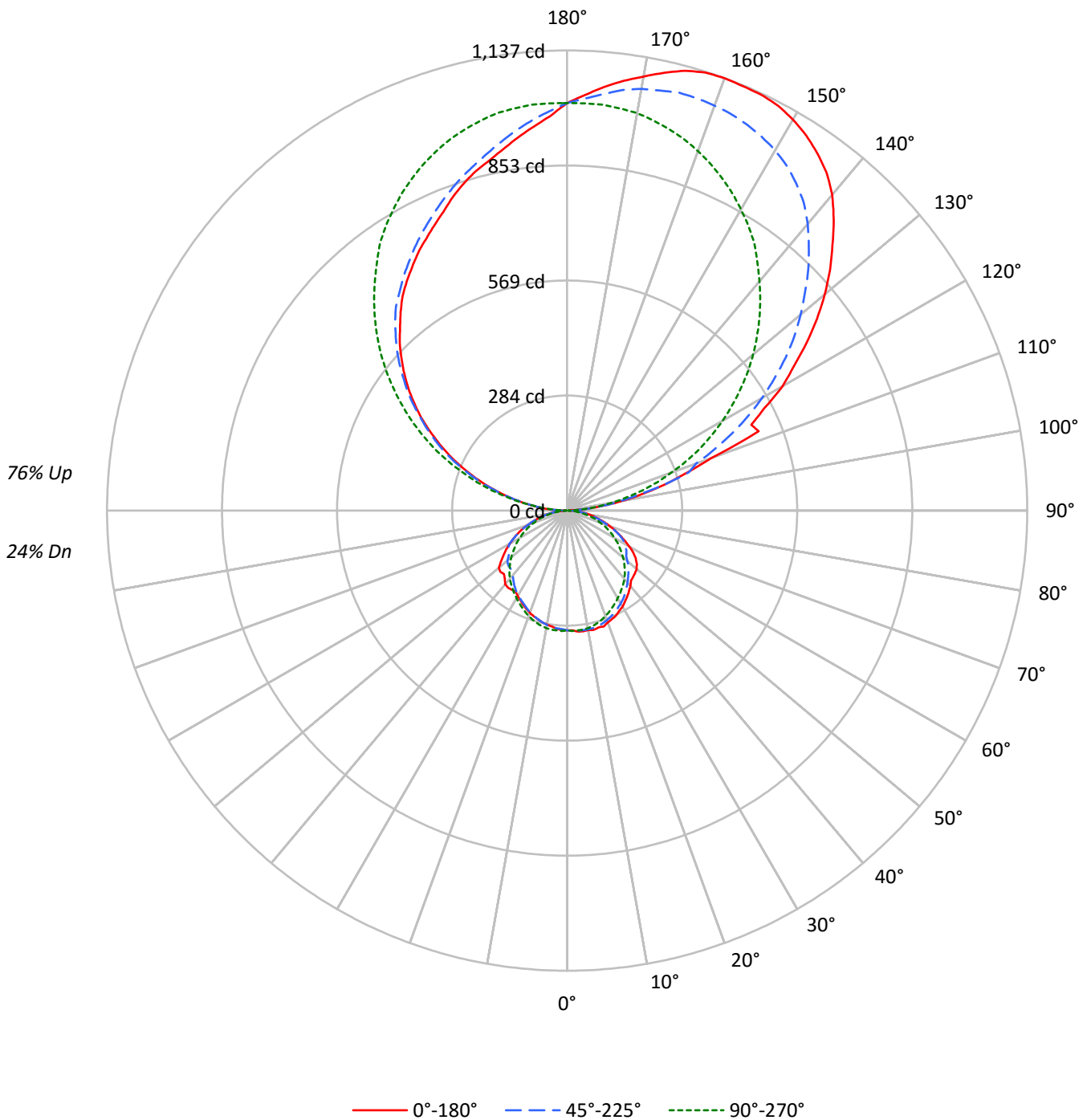
Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32
1	92	87	84	80	81	78	75	72	60	57	56	43	42	40	28	27	26
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22
3	76	67	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9
9	46	34	27	22	41	31	24	20	24	19	16	17	14	12	12	10	8
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3186	3186	3186
5°	3242	3209	3166
10°	3279	3224	3126
15°	3332	3209	3098
20°	3368	3173	3081
25°	3397	3135	3052
30°	3406	3107	3033
35°	3403	3088	3141
40°	3414	3091	3344
45°	3516	3060	3364
50°	3751	3014	3684
55°	3885	2965	3603
60°	3810	2906	3509
65°	3642	2853	3438
70°	3525	2738	3242
75°	3410	2578	3036
80°	3347	2356	2851
85°	4076	2100	2964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.7
10°-20°	81.3	2.0
20°-30°	123.3	3.1
30°-40°	150.3	3.8
40°-50°	163.3	4.1
50°-60°	159.1	4.0
60°-70°	127.9	3.2
70°-80°	78.5	2.0
80°-90°	27.5	0.7
90°-100°	57.0	1.4
100°-110°	218.3	5.5
110°-120°	384.6	9.7
120°-130°	500.9	12.6
130°-140°	552.7	13.9
140°-150°	528.7	13.3
150°-160°	429.3	10.8
160°-170°	277.4	7.0
170°-180°	95.6	2.4
0°-30°	232.8	5.8
0°-40°	383.1	9.6
0°-60°	705.5	17.7
0°-90°	939.4	23.6
90°-120°	659.9	16.6
90°-150°	2242.2	56.3
90°-180°	3044.0	76.4
0°-180°	3983.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	296	296	296	296	296	
5°	300	298	297	292	293	29
15°	299	295	288	278	278	85
25°	286	278	264	254	257	132
35°	259	250	235	227	239	162
45°	231	214	201	200	221	179
55°	207	179	158	174	192	183
65°	143	142	112	133	135	142
75°	82	79	62	74	73	87
85°	33	29	17	23	24	31
90°	6	6	2	4	3	6
95°	46	46	44	49	53	57
105°	252	250	192	175	174	266
115°	502	448	361	326	320	510
125°	722	659	523	468	461	646
135°	927	843	672	598	585	716
145°	1078	987	806	705	691	674
155°	1134	1052	906	797	777	523
165°	1125	1069	975	884	869	318
175°	1051	1033	1007	969	952	101
180°	1007	1007	1007	1007	1007	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	296	296	296	296	296	296	296	296	296
2.5°	296	298	297	297	298	296	293	295	296
5°	300	300	298	297	297	294	292	292	293
7.5°	301	302	298	297	297	293	291	289	289
10°	300	302	298	296	295	290	287	286	286
12.5°	302	301	297	295	292	287	283	282	283
15°	299	301	295	291	288	284	278	278	278
17.5°	300	298	292	288	283	279	273	274	274
20°	294	296	288	283	277	273	268	268	269
22.5°	290	291	283	278	271	267	261	262	263
25°	286	285	278	272	264	259	254	256	257
27.5°	279	279	271	265	257	252	248	250	250
30°	274	272	265	258	250	245	242	242	244
32.5°	266	264	258	250	243	237	235	235	237
35°	259	256	250	242	235	229	227	228	239
37.5°	251	248	241	234	228	220	218	229	240
40°	243	240	232	226	220	212	209	231	238
42.5°	234	232	223	217	211	205	202	227	228
45°	231	223	214	207	201	195	200	217	221
47.5°	228	220	206	198	191	185	198	210	224
50°	224	216	194	188	180	176	193	211	220
52.5°	217	211	184	177	169	166	182	206	206
55°	207	202	179	166	158	154	174	192	192
57.5°	194	191	172	153	147	143	172	178	179
60°	177	176	165	140	135	133	165	163	163
62.5°	160	159	155	128	124	126	149	148	149
65°	143	144	142	116	112	118	133	134	135
67.5°	128	127	126	103	99	106	119	119	119
70°	112	111	109	95	87	97	103	104	103
72.5°	97	96	93	85	76	88	89	88	88
75°	82	82	79	74	62	74	74	74	73
77.5°	68	67	64	60	50	59	58	60	60
80°	54	54	52	45	38	45	46	47	46
82.5°	43	43	39	33	26	31	33	35	34
85°	33	32	29	23	17	20	23	24	24
87.5°	23	23	21	16	8	13	15	14	12
90°	6	6	6	4	2	4	4	4	3
92.5°	12	13	16	17	17	21	27	29	28
95°	46	47	46	46	44	45	49	51	53
97.5°	90	88	87	84	75	74	75	77	79
100°	139	135	132	133	111	108	106	106	109
102.5°	191	193	181	167	151	144	139	140	140
105°	252	244	250	211	192	183	175	175	174
107.5°	307	301	315	259	233	223	214	210	209
110°	379	433	339	305	274	261	251	247	246



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	512	451	393	357	318	300	288	286	282
115°	502	480	448	403	361	339	326	321	320
117.5°	550	539	503	452	402	374	362	356	355
120°	615	599	556	499	443	413	397	393	391
122.5°	664	655	607	547	483	448	431	427	427
125°	722	711	659	591	523	482	468	462	461
127.5°	778	761	708	639	562	517	501	493	494
130°	831	814	753	682	600	550	534	526	525
132.5°	881	858	797	721	636	584	568	555	555
135°	927	906	843	756	672	616	598	587	585
137.5°	975	946	884	791	706	651	629	617	611
140°	1019	987	925	828	739	680	658	645	640
142.5°	1053	1023	960	861	772	711	680	673	668
145°	1078	1054	987	892	806	741	705	699	691
147.5°	1099	1080	1010	920	834	768	728	723	713
150°	1116	1095	1028	948	859	795	752	744	736
152.5°	1128	1111	1041	972	884	822	775	764	756
155°	1134	1117	1052	988	906	846	797	786	777
157.5°	1135	1119	1060	1004	927	866	820	807	799
160°	1137	1117	1065	1011	945	889	842	827	825
162.5°	1135	1112	1068	1019	962	908	864	850	848
165°	1125	1106	1069	1025	975	929	884	872	869
167.5°	1108	1097	1063	1027	987	945	905	894	886
170°	1089	1086	1058	1028	997	961	927	916	907
172.5°	1071	1070	1048	1027	1002	973	949	937	930
175°	1051	1050	1033	1025	1007	984	969	960	952
177.5°	1028	1030	1019	1023	1007	996	988	983	975
180°	1007	1007	1007	1007	1007	1007	1007	1007	1007

(END OF REPORT)