

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: P275299

Luminaire Tested: **JW-WL-40L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-40L82765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4047.6 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

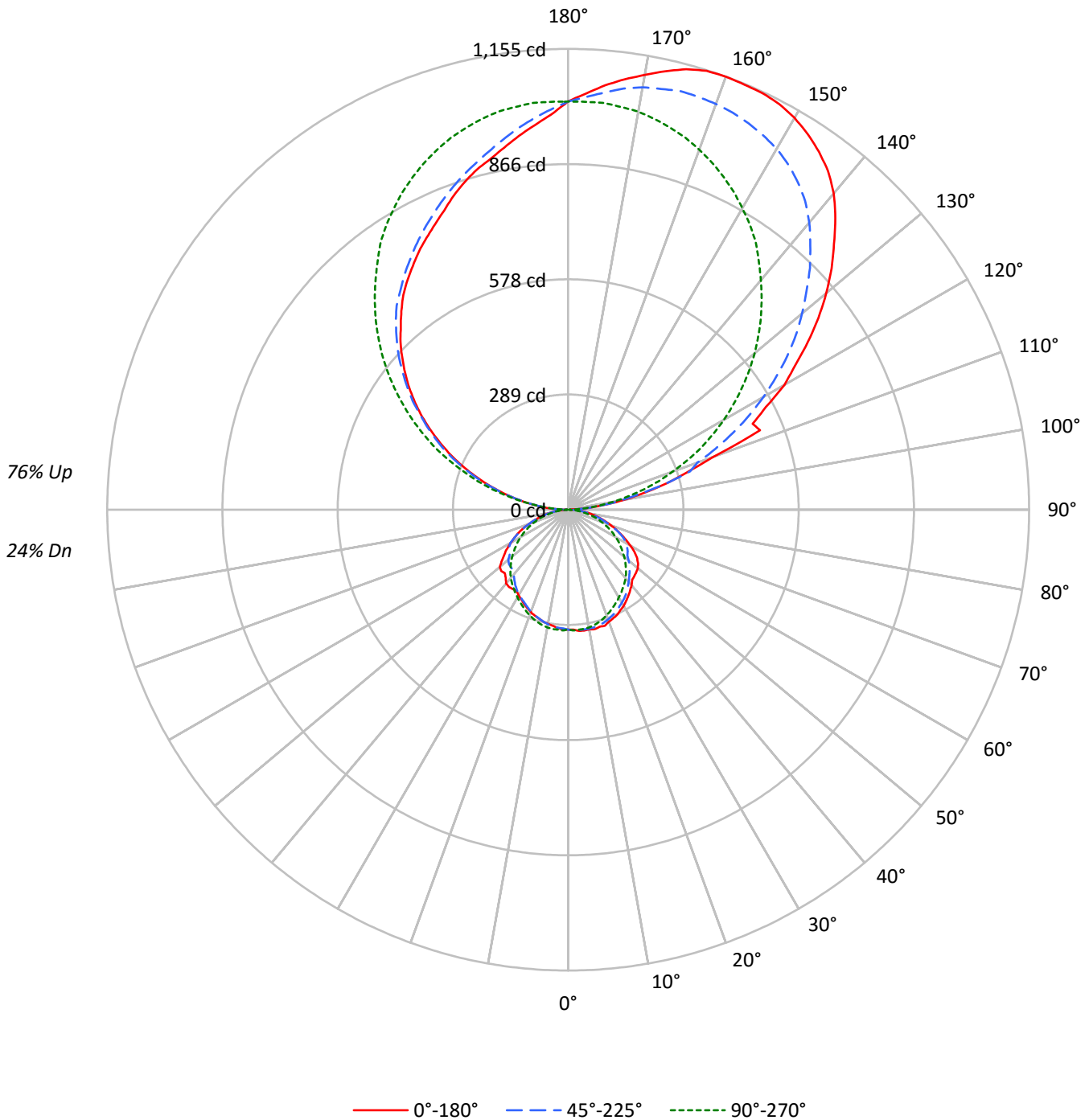
Input Watts (W): 40
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4855	4855	4855
5°	4940	4891	4825
10°	4997	4914	4764
15°	5078	4891	4720
20°	5132	4835	4696
25°	5177	4778	4651
30°	5190	4735	4622
35°	5186	4707	4786
40°	5204	4711	5096
45°	5359	4663	5126
50°	5717	4594	5614
55°	5920	4518	5492
60°	5806	4430	5348
65°	5551	4348	5242
70°	5372	4173	4938
75°	5196	3930	4629
80°	5105	3589	4342
85°	6206	3205	4520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	0.7
10°-20°	82.6	2.0
20°-30°	125.3	3.1
30°-40°	152.7	3.8
40°-50°	165.9	4.1
50°-60°	161.6	4.0
60°-70°	129.9	3.2
70°-80°	79.8	2.0
80°-90°	27.9	0.7
90°-100°	57.9	1.4
100°-110°	221.8	5.5
110°-120°	390.7	9.7
120°-130°	508.9	12.6
130°-140°	561.6	13.9
140°-150°	537.1	13.3
150°-160°	436.2	10.8
160°-170°	281.8	7.0
170°-180°	97.1	2.4
0°-30°	236.5	5.8
0°-40°	389.2	9.6
0°-60°	716.8	17.7
0°-90°	954.4	23.6
90°-120°	670.5	16.6
90°-150°	2278.1	56.3
90°-180°	3093.0	76.4
0°-180°	4047.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	301	301	301	301	301	
5°	305	303	302	297	298	29
15°	304	300	293	282	282	86
25°	291	282	268	258	261	134
35°	263	254	239	231	243	165
45°	235	217	204	203	224	182
55°	210	182	160	177	195	186
65°	145	144	114	135	137	145
75°	83	80	63	75	74	88
85°	34	30	17	23	24	32
90°	6	6	2	4	3	7
95°	47	47	45	50	54	58
105°	256	254	195	178	177	270
115°	510	455	367	331	325	519
125°	734	670	531	476	468	656
135°	942	856	683	608	594	727
145°	1095	1003	819	716	702	685
155°	1152	1069	920	810	789	532
165°	1143	1086	991	898	883	323
175°	1068	1050	1023	984	967	103
180°	1023	1023	1023	1023	1023	



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CATALOG NUMBER: JW-WL-40L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7
2.5°	300.7	302.8	301.8	301.8	302.8	300.7	297.7	299.7	300.7
5°	304.8	304.8	302.8	301.8	301.8	298.7	296.7	296.7	297.7
7.5°	305.8	306.8	302.8	301.8	301.8	297.7	295.7	293.6	293.6
10°	304.8	306.8	302.8	300.7	299.7	294.6	291.6	290.6	290.6
12.5°	306.8	305.8	301.8	299.7	296.7	291.6	287.5	286.5	287.5
15°	303.8	305.8	299.7	295.7	292.6	288.5	282.4	282.4	282.4
17.5°	304.8	302.8	296.7	292.6	287.5	283.5	277.4	278.4	278.4
20°	298.7	300.7	292.6	287.5	281.4	277.4	272.3	272.3	273.3
22.5°	294.6	295.7	287.5	282.4	275.3	271.3	265.2	266.2	267.2
25°	290.6	289.6	282.4	276.4	268.2	263.1	258.1	260.1	261.1
27.5°	283.5	283.5	275.3	269.2	261.1	256.0	252.0	254.0	254.0
30°	278.4	276.4	269.2	262.1	254.0	248.9	245.9	245.9	247.9
32.5°	270.3	268.2	262.1	254.0	246.9	240.8	238.8	238.8	240.8
35°	263.1	260.1	254.0	245.9	238.8	232.7	230.6	231.6	242.8
37.5°	255.0	252.0	244.9	237.7	231.6	223.5	221.5	232.7	243.8
40°	246.9	243.8	235.7	229.6	223.5	215.4	212.3	234.7	241.8
42.5°	237.7	235.7	226.6	220.5	214.4	208.3	205.2	230.6	231.6
45°	234.7	226.6	217.4	210.3	204.2	198.1	203.2	220.5	224.5
47.5°	231.6	223.5	209.3	201.2	194.1	188.0	201.2	213.4	227.6
50°	227.6	219.5	197.1	191.0	182.9	178.8	196.1	214.4	223.5
52.5°	220.5	214.4	186.9	179.8	171.7	168.7	184.9	209.3	209.3
55°	210.3	205.2	181.9	168.7	160.5	156.5	176.8	195.1	195.1
57.5°	197.1	194.1	174.8	155.4	149.4	145.3	174.8	180.8	181.9
60°	179.8	178.8	167.6	142.2	137.2	135.1	167.6	165.6	165.6
62.5°	162.6	161.5	157.5	130.0	126.0	128.0	151.4	150.4	151.4
65°	145.3	146.3	144.3	117.9	113.8	119.9	135.1	136.1	137.2
67.5°	130.0	129.0	128.0	104.6	100.6	107.7	120.9	120.9	120.9
70°	113.8	112.8	110.7	96.5	88.4	98.6	104.6	105.7	104.6
72.5°	98.6	97.5	94.5	86.4	77.2	89.4	90.4	89.4	89.4
75°	83.3	83.3	80.3	75.2	63.0	75.2	75.2	75.2	74.2
77.5°	69.1	68.1	65.0	61.0	50.8	59.9	58.9	61.0	61.0
80°	54.9	54.9	52.8	45.7	38.6	45.7	46.7	47.8	46.7
82.5°	43.7	43.7	39.6	33.5	26.4	31.5	33.5	35.6	34.5
85°	33.5	32.5	29.5	23.4	17.3	20.3	23.4	24.4	24.4
87.5°	23.4	23.4	21.3	16.3	8.1	13.2	15.2	14.2	12.2
90°	6.1	6.1	6.1	4.1	2.0	4.1	4.1	4.1	3.0
92.5°	12.2	13.2	16.3	17.3	17.3	21.3	27.4	29.5	28.4
95°	46.7	47.8	46.7	46.7	44.7	45.7	49.8	51.8	53.8
97.5°	91.4	89.4	88.4	85.3	76.2	75.2	76.2	78.2	80.3
100°	141.2	137.2	134.1	135.1	112.8	109.7	107.7	107.7	110.7
102.5°	194.1	196.1	183.9	169.7	153.4	146.3	141.2	142.2	142.2
105°	256.0	247.9	254.0	214.4	195.1	185.9	177.8	177.8	176.8
107.5°	311.9	305.8	320.0	263.1	236.7	226.6	217.4	213.4	212.3
110°	385.1	439.9	344.4	309.9	278.4	265.2	255.0	251.0	249.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	520.2	458.2	399.3	362.7	323.1	304.8	292.6	290.6	286.5
115°	510.0	487.7	455.2	409.4	366.8	344.4	331.2	326.1	325.1
117.5°	558.8	547.6	511.0	459.2	408.4	380.0	367.8	361.7	360.7
120°	624.8	608.6	564.9	507.0	450.1	419.6	403.4	399.3	397.3
122.5°	674.6	665.5	616.7	555.8	490.7	455.2	437.9	433.8	433.8
125°	733.6	722.4	669.5	600.5	531.4	489.7	475.5	469.4	468.4
127.5°	790.4	773.2	719.3	649.2	571.0	525.3	509.0	500.9	501.9
130°	844.3	827.0	765.0	692.9	609.6	558.8	542.5	534.4	533.4
132.5°	895.1	871.7	809.8	732.5	646.2	593.3	577.1	563.9	563.9
135°	941.8	920.5	856.5	768.1	682.8	625.9	607.6	596.4	594.4
137.5°	990.6	961.1	898.1	803.7	717.3	661.4	639.1	626.9	620.8
140°	1035.3	1002.8	939.8	841.2	750.8	690.9	668.5	655.3	650.2
142.5°	1069.8	1039.4	975.4	874.8	784.4	722.4	690.9	683.8	678.7
145°	1095.2	1070.9	1002.8	906.3	818.9	752.9	716.3	710.2	702.1
147.5°	1116.6	1097.3	1026.2	934.7	847.3	780.3	739.6	734.6	724.4
150°	1133.9	1112.5	1044.4	963.2	872.7	807.7	764.0	755.9	747.8
152.5°	1146.0	1128.8	1057.7	987.6	898.1	835.2	787.4	776.2	768.1
155°	1152.1	1134.9	1068.8	1003.8	920.5	859.5	809.8	798.6	789.4
157.5°	1153.2	1136.9	1077.0	1020.1	941.8	879.9	833.1	819.9	811.8
160°	1155.2	1134.9	1082.0	1027.2	960.1	903.2	855.5	840.2	838.2
162.5°	1153.2	1129.8	1085.1	1035.3	977.4	922.5	877.8	863.6	861.6
165°	1143.0	1123.7	1086.1	1041.4	990.6	943.9	898.1	886.0	882.9
167.5°	1125.7	1114.6	1080.0	1043.4	1002.8	960.1	919.5	908.3	900.2
170°	1106.4	1103.4	1074.9	1044.4	1013.0	976.4	941.8	930.7	921.5
172.5°	1088.1	1087.1	1064.8	1043.4	1018.0	988.6	964.2	952.0	944.9
175°	1067.8	1066.8	1049.5	1041.4	1023.1	999.7	984.5	975.4	967.2
177.5°	1044.4	1046.5	1035.3	1039.4	1023.1	1011.9	1003.8	998.7	990.6
180°	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1	1023.1

(END OF REPORT)