

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: P275236

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6217.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

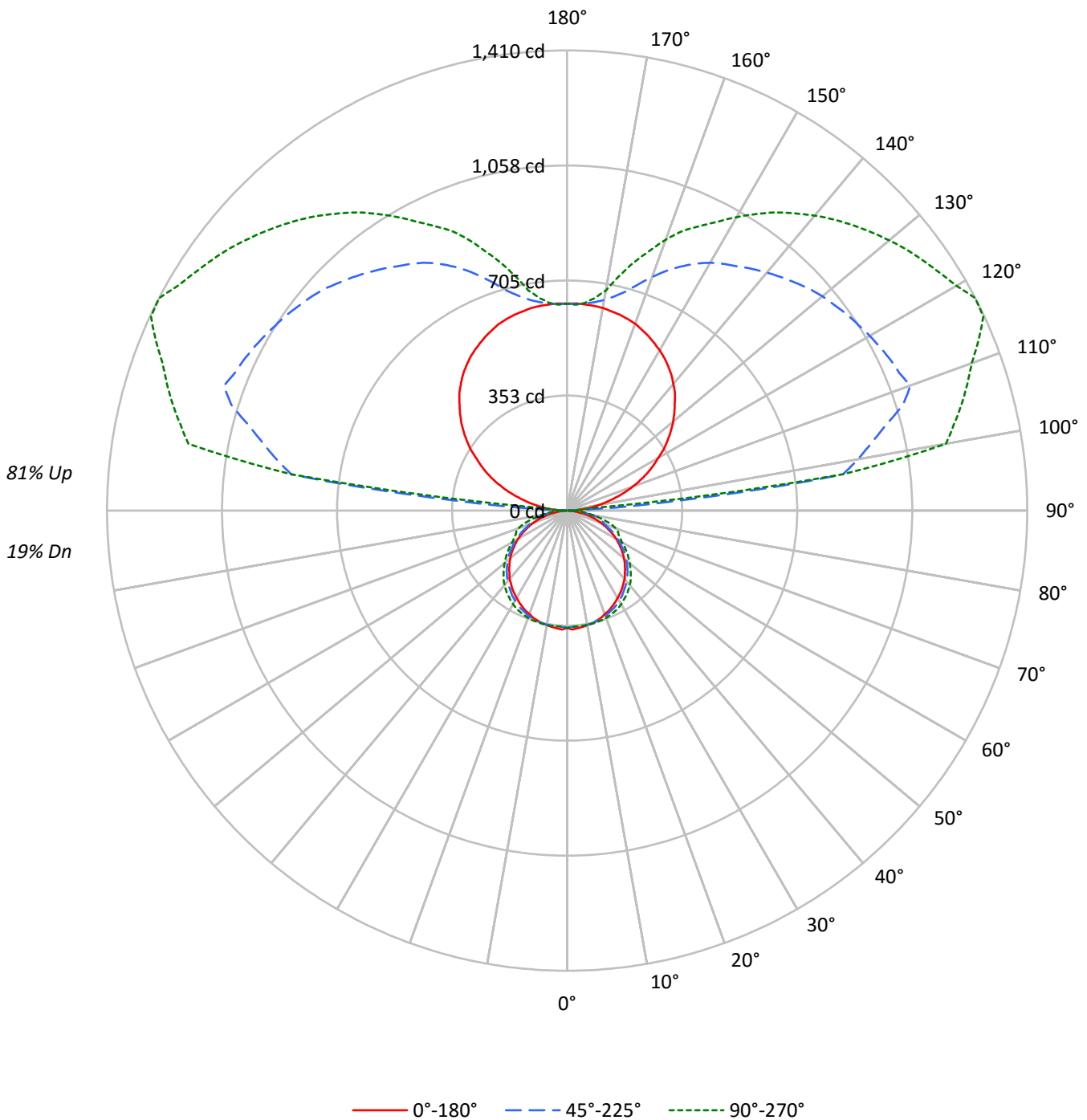
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2905	2905	2905
5°	2936	2895	2886
10°	2919	2909	2919
15°	2914	2924	2955
20°	2899	2953	3006
25°	2896	2962	3051
30°	2880	2973	3088
35°	2886	2971	3118
40°	2890	2981	3151
45°	2861	2989	3145
50°	2852	2977	3147
55°	2829	2968	3143
60°	2805	2926	3126
65°	2701	2892	3318
70°	2606	2899	3748
75°	2399	3328	3793
80°	2078	3403	3691
85°	1612	3788	4252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	0.5
10°-20°	99.4	1.6
20°-30°	153.9	2.5
30°-40°	190.0	3.1
40°-50°	202.4	3.3
50°-60°	188.9	3.0
60°-70°	153.9	2.5
70°-80°	106.4	1.7
80°-90°	41.5	0.7
90°-100°	371.5	6.0
100°-110°	938.4	15.1
110°-120°	971.0	15.6
120°-130°	864.7	13.9
130°-140°	720.5	11.6
140°-150°	549.0	8.8
150°-160°	369.5	5.9
160°-170°	200.3	3.2
170°-180°	61.5	1.0
0°-30°	287.5	4.6
0°-40°	477.5	7.7
0°-60°	868.7	14.0
0°-90°	1170.6	18.8
90°-120°	2280.9	36.7
90°-150°	4415.2	71.0
90°-180°	5046.0	81.2
0°-180°	6217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	360	360	360	360	360	
5°	362	360	357	359	356	34
15°	349	350	350	354	354	99
25°	325	329	332	340	342	150
35°	293	295	302	313	316	183
45°	251	254	262	270	276	194
55°	201	205	211	217	223	180
65°	141	145	151	165	174	141
75°	77	82	107	120	122	82
85°	17	32	41	46	46	20
90°	2	4	4	2	2	6
95°	52	407	319	51	50	52
105°	154	648	1010	1194	1251	164
115°	270	669	1093	1359	1407	267
125°	376	685	1047	1269	1334	336
135°	466	705	988	1178	1237	360
145°	540	692	913	1061	1116	338
155°	589	658	825	929	962	272
165°	622	639	695	763	787	176
175°	634	635	636	643	639	60
180°	634	634	634	634	634	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	359.8	359.8	359.8	359.8	359.8
2.5°	364.8	359.8	357.3	358.6	356.1
5°	362.3	359.8	357.3	358.6	356.1
7.5°	359.8	358.6	356.1	358.6	356.1
10°	356.1	356.1	354.9	357.3	356.1
12.5°	354.9	353.6	353.6	356.1	354.9
15°	348.7	349.9	349.9	353.6	353.6
17.5°	344.9	346.2	347.4	352.4	352.4
20°	337.5	341.2	343.7	349.9	349.9
22.5°	332.5	335.0	337.5	344.9	346.2
25°	325.1	328.8	332.5	340.0	342.5
27.5°	317.6	321.4	326.3	335.0	337.5
30°	309.0	313.9	318.9	327.6	331.3
32.5°	301.5	305.2	311.4	321.4	323.8
35°	292.8	295.3	301.5	312.7	316.4
37.5°	282.9	285.4	292.8	302.7	307.7
40°	274.2	276.7	282.9	292.8	299.0
42.5°	261.8	265.5	273.0	281.7	287.9
45°	250.6	254.4	261.8	270.5	275.5
47.5°	239.5	243.2	249.4	258.1	263.0
50°	227.1	230.8	237.0	245.7	250.6
52.5°	214.7	218.4	224.6	232.0	237.0
55°	201.0	204.7	210.9	217.1	223.3
57.5°	187.4	191.1	196.0	203.5	209.7
60°	173.7	176.2	181.2	189.8	193.6
62.5°	158.8	161.3	166.3	174.9	183.6
65°	141.4	145.2	151.4	165.0	173.7
67.5°	126.6	129.0	135.2	155.1	168.7
70°	110.4	114.2	122.8	151.4	158.8
72.5°	94.3	98.0	114.2	139.0	142.7
75°	76.9	81.9	106.7	120.4	121.6
77.5°	60.8	67.0	91.8	99.3	100.5
80°	44.7	55.8	73.2	78.2	79.4
82.5°	29.8	47.1	54.6	60.8	60.8
85°	17.4	32.3	40.9	45.9	45.9
87.5°	9.9	21.1	31.0	36.0	34.7
90°	2.5	3.7	3.7	2.5	2.5
92.5°	28.5	90.6	24.8	23.6	23.6
95°	52.1	407.0	318.9	50.9	49.6
97.5°	74.4	493.8	852.4	1031.1	851.2
100°	99.3	596.8	904.5	1117.9	1178.7
102.5°	126.6	632.8	954.2	1149.0	1213.5
105°	153.9	647.7	1010.0	1193.6	1250.7
107.5°	183.6	657.6	1079.5	1229.6	1285.4
110°	213.4	662.6	1119.2	1274.3	1318.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	242.0	666.3	1101.8	1325.2	1364.9
115°	270.5	668.8	1093.1	1358.7	1407.0
117.5°	296.5	672.5	1082.0	1327.6	1409.5
120°	322.6	676.2	1070.8	1306.5	1377.3
122.5°	351.1	681.2	1058.4	1289.2	1354.9
125°	376.0	684.9	1047.2	1269.3	1333.8
127.5°	400.8	688.6	1033.6	1248.2	1312.7
130°	424.3	697.3	1021.2	1227.1	1287.9
132.5°	445.4	702.3	1006.3	1203.6	1263.1
135°	466.5	704.8	987.7	1177.5	1237.1
137.5°	488.9	703.5	970.3	1152.7	1209.8
140°	506.2	702.3	951.7	1122.9	1180.0
142.5°	524.8	698.6	933.1	1093.1	1147.7
145°	539.7	692.4	913.2	1060.9	1115.5
147.5°	554.6	684.9	895.8	1027.4	1077.0
150°	567.0	673.7	877.2	991.4	1038.5
152.5°	578.2	665.1	852.4	959.1	997.6
155°	589.4	657.6	825.1	929.3	961.6
157.5°	599.3	652.6	795.3	893.4	928.1
160°	609.2	646.4	761.8	854.9	883.4
162.5°	615.4	642.7	727.1	809.0	832.6
165°	621.6	639.0	694.8	763.1	786.7
167.5°	625.4	636.5	672.5	714.7	735.8
170°	630.3	635.3	655.1	679.9	684.9
172.5°	632.8	635.3	644.0	656.4	657.6
175°	634.0	635.3	636.5	642.7	639.0
177.5°	635.3	636.5	632.8	636.5	631.6
180°	634.0	634.0	634.0	634.0	634.0

(END OF REPORT)