

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: P253330

Luminaire Tested: **J3-CL-80L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-80L835-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

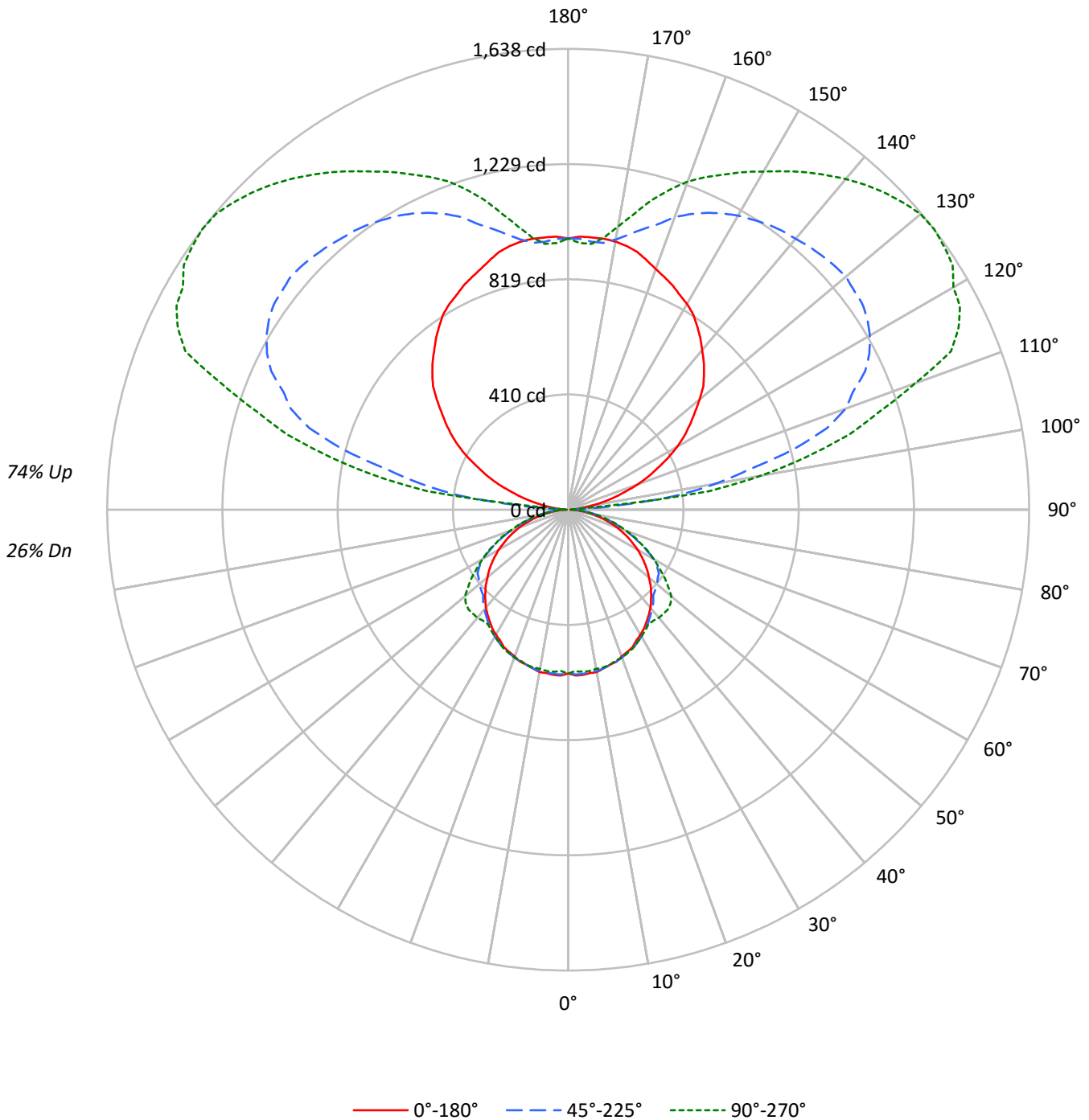
Lumens per Lamp: N/A
Luminaire Lumens: 7617.2 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.2
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	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4699	4699	4699
5°	4780	4749	4686
10°	4804	4772	4709
15°	4769	4769	4769
20°	4769	4802	4802
25°	4807	4842	4842
30°	4779	4851	4851
35°	4787	4864	4901
40°	4794	4875	5282
45°	4754	4885	5722
50°	4696	5181	6003
55°	4666	5534	5861
60°	4606	5664	5664
65°	4493	5375	5450
70°	4367	5096	5186
75°	4089	4810	4931
80°	3766	4658	4482
85°	3575	5002	4289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	0.7
10°-20°	161.1	2.1
20°-30°	249.0	3.3
30°-40°	308.8	4.1
40°-50°	345.6	4.5
50°-60°	337.7	4.4
60°-70°	266.4	3.5
70°-80°	161.2	2.1
80°-90°	57.4	0.8
90°-100°	197.9	2.6
100°-110°	765.1	10.0
110°-120°	1051.5	13.8
120°-130°	1063.8	14.0
130°-140°	942.8	12.4
140°-150°	745.7	9.8
150°-160°	520.6	6.8
160°-170°	294.6	3.9
170°-180°	92.4	1.2
0°-30°	465.6	6.1
0°-40°	774.5	10.2
0°-60°	1457.7	19.1
0°-90°	1942.8	25.5
90°-120°	2014.5	26.4
90°-150°	4766.7	62.6
90°-180°	5674.0	74.5
0°-180°	7617.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	590	582	586	582	578	56
15°	571	567	571	571	571	162
25°	540	532	544	544	544	248
35°	486	486	494	497	497	304
45°	416	420	428	482	501	321
55°	332	335	393	416	416	296
65°	235	247	281	285	285	232
75°	131	154	154	158	158	139
85°	39	62	54	50	46	40
90°	8	23	19	4	4	7
95°	31	154	185	39	39	38
105°	170	547	829	956	1033	180
115°	351	740	1164	1442	1530	350
125°	528	856	1276	1554	1631	472
135°	682	941	1276	1527	1592	526
145°	798	964	1238	1419	1465	499
155°	879	941	1164	1292	1315	405
165°	948	944	1033	1122	1137	267
175°	972	960	956	956	948	93
180°	964	964	964	964	964	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	582.1	582.1	582.1	582.1	582.1
2.5°	589.8	582.1	586.0	582.1	574.4
5°	589.8	582.1	586.0	582.1	578.3
7.5°	586.0	582.1	582.1	578.3	578.3
10°	586.0	578.3	582.1	578.3	574.4
12.5°	578.3	574.4	578.3	574.4	574.4
15°	570.6	566.7	570.6	570.6	570.6
17.5°	566.7	559.0	566.7	566.7	562.8
20°	555.1	551.3	559.0	559.0	559.0
22.5°	547.4	543.6	551.3	551.3	551.3
25°	539.7	532.0	543.6	543.6	543.6
27.5°	524.3	524.3	532.0	535.9	532.0
30°	512.7	508.9	520.4	524.3	520.4
32.5°	501.2	497.3	508.9	512.7	508.9
35°	485.7	485.7	493.5	497.3	497.3
37.5°	470.3	470.3	478.0	481.9	497.3
40°	454.9	454.9	462.6	485.7	501.2
42.5°	435.6	435.6	447.2	481.9	501.2
45°	416.4	420.2	427.9	481.9	501.2
47.5°	397.1	400.9	420.2	478.0	493.5
50°	373.9	381.7	412.5	466.5	478.0
52.5°	354.7	358.5	400.9	447.2	447.2
55°	331.5	335.4	393.2	416.4	416.4
57.5°	308.4	312.3	373.9	381.7	381.7
60°	285.3	289.1	350.8	350.8	350.8
62.5°	258.3	266.0	316.1	320.0	320.0
65°	235.2	246.7	281.4	285.3	285.3
67.5°	208.2	227.5	250.6	254.4	254.4
70°	185.0	208.2	215.9	219.7	219.7
72.5°	158.1	181.2	185.0	188.9	188.9
75°	131.1	154.2	154.2	158.1	158.1
77.5°	104.1	123.4	127.2	127.2	127.2
80°	81.0	92.5	100.2	96.4	96.4
82.5°	57.8	73.2	73.2	73.2	69.4
85°	38.6	61.7	54.0	50.1	46.3
87.5°	23.1	54.0	30.8	27.0	27.0
90°	7.7	23.1	19.3	3.9	3.9
92.5°	15.4	38.6	19.3	15.4	11.6
95°	30.8	154.2	185.0	38.6	38.6
97.5°	57.8	258.3	397.1	470.3	505.0
100°	88.7	385.5	532.0	651.5	693.9
102.5°	127.2	466.5	655.4	805.7	867.4
105°	169.6	547.4	828.9	956.1	1033.2
107.5°	212.0	609.1	963.8	1106.4	1160.4
110°	262.1	659.2	1048.6	1295.3	1310.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	308.4	697.8	1094.9	1387.8	1472.7
115°	350.8	740.2	1164.2	1441.8	1530.5
117.5°	400.9	771.0	1206.7	1472.7	1569.0
120°	447.2	798.0	1237.5	1511.2	1580.6
122.5°	489.6	828.9	1260.6	1542.0	1619.2
125°	528.2	855.8	1276.0	1553.6	1630.7
127.5°	566.7	879.0	1279.9	1557.5	1638.4
130°	609.1	902.1	1287.6	1553.6	1634.6
132.5°	651.5	925.2	1283.8	1542.0	1615.3
135°	682.4	940.7	1276.0	1526.6	1592.2
137.5°	713.2	952.2	1268.3	1503.5	1565.2
140°	740.2	959.9	1256.8	1476.5	1534.3
142.5°	771.0	963.8	1249.1	1449.5	1499.6
145°	798.0	963.8	1237.5	1418.7	1464.9
147.5°	825.0	959.9	1222.1	1387.8	1426.4
150°	844.3	952.2	1206.7	1357.0	1387.8
152.5°	859.7	944.5	1187.4	1322.3	1353.1
155°	879.0	940.7	1164.2	1291.5	1314.6
157.5°	894.4	940.7	1137.3	1256.8	1279.9
160°	909.8	940.7	1106.4	1222.1	1241.4
162.5°	929.1	940.7	1064.0	1172.0	1191.2
165°	948.4	944.5	1033.2	1121.8	1137.3
167.5°	959.9	944.5	1002.3	1060.2	1075.6
170°	967.6	952.2	975.3	1017.8	1021.6
172.5°	971.5	959.9	956.1	975.3	975.3
175°	971.5	959.9	956.1	956.1	948.4
177.5°	971.5	963.8	963.8	959.9	948.4
180°	963.8	963.8	963.8	963.8	963.8

(END OF REPORT)