

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: P274246

Luminaire Tested: **R6-WL-30L830-LD5-UNV-4-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-915-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R6-WL-30L830-LD5-UNV-4-STD
Description: CORELITE R6 LINEAR PRISMATIC LENS LED LUMINAIRE
6" x 4'
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2863.0 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

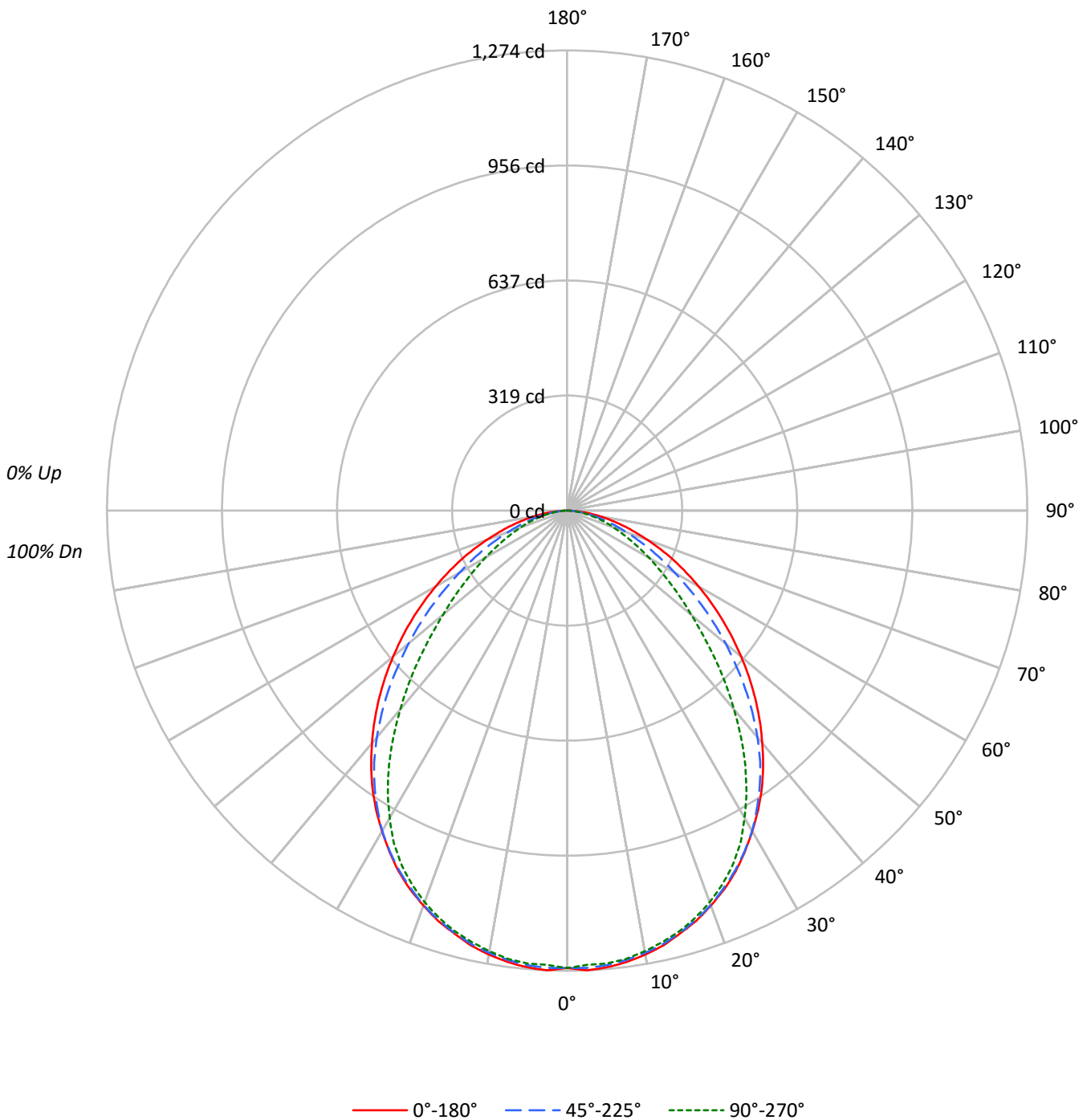
Input Watts (W): 24.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8178	8178	8178
5°	8228	8191	8160
10°	8185	8154	8122
15°	8100	8088	8055
20°	7997	7990	7930
25°	7859	7839	7722
30°	7644	7636	7328
35°	7406	7331	6777
40°	7085	6906	6063
45°	6727	6367	5278
50°	6318	5758	4502
55°	5890	5100	3887
60°	5428	4446	3391
65°	4967	3865	2939
70°	4449	3286	2615
75°	3960	2807	2303
80°	3470	2325	1930
85°	2920	1712	1423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	4.2
10°-20°	339.9	11.9
20°-30°	502.4	17.5
30°-40°	567.9	19.8
40°-50°	520.5	18.2
50°-60°	398.4	13.9
60°-70°	256.2	8.9
70°-80°	127.4	4.5
80°-90°	30.7	1.1
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°	961.9	33.6
0°-40°	1529.8	53.4
0°-60°	2448.7	85.5
0°-90°	2863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2863.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1269	1257	1264	1259	1259	120
15°	1212	1201	1210	1205	1205	342
25°	1103	1092	1100	1086	1084	507
35°	939	933	930	882	860	586
45°	736	732	697	614	578	568
55°	523	516	453	373	345	468
65°	325	309	253	206	192	323
75°	159	141	112	96	92	170
85°	39	29	23	20	19	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266.3	1266.3	1266.3	1266.3	1266.3
2.5°	1274.0	1260.6	1267.3	1264.4	1258.7
5°	1269.2	1256.7	1263.5	1258.7	1258.7
7.5°	1260.6	1248.1	1254.8	1251.0	1251.9
10°	1248.1	1236.5	1243.3	1238.5	1238.5
12.5°	1232.7	1220.2	1228.8	1223.1	1223.1
15°	1211.5	1201.0	1209.6	1204.8	1204.8
17.5°	1190.4	1178.8	1187.5	1181.7	1181.7
20°	1163.5	1153.8	1162.5	1153.8	1153.8
22.5°	1135.6	1125.0	1131.7	1122.1	1121.2
25°	1102.9	1092.3	1100.0	1085.6	1083.7
27.5°	1065.4	1057.7	1063.5	1045.2	1038.5
30°	1025.0	1018.3	1024.0	998.1	982.7
32.5°	983.7	976.9	977.9	941.3	924.0
35°	939.4	932.7	929.8	881.7	859.6
37.5°	891.3	885.6	877.9	817.3	790.4
40°	840.4	835.6	819.2	751.0	719.2
42.5°	789.4	783.7	759.6	682.7	649.0
45°	736.5	731.7	697.1	613.5	577.9
47.5°	683.7	679.8	633.7	548.1	509.6
50°	628.8	626.0	573.1	481.7	448.1
52.5°	576.0	570.2	512.5	426.0	396.2
55°	523.1	516.3	452.9	373.1	345.2
57.5°	471.2	460.6	396.2	326.0	301.0
60°	420.2	407.7	344.2	282.7	262.5
62.5°	372.1	358.7	297.1	244.2	225.0
65°	325.0	308.7	252.9	205.8	192.3
67.5°	279.8	262.5	211.5	175.0	163.5
70°	235.6	218.3	174.0	146.2	138.5
72.5°	196.2	178.8	142.3	120.2	114.4
75°	158.7	141.3	112.5	96.2	92.3
77.5°	124.0	107.7	86.5	74.0	71.2
80°	93.3	77.9	62.5	53.8	51.9
82.5°	65.4	51.0	41.3	35.6	34.6
85°	39.4	28.8	23.1	20.2	19.2
87.5°	17.3	10.6	8.7	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)