

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: P302046

Luminaire Tested: **RX-WO-29L935-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-29L935-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (84)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

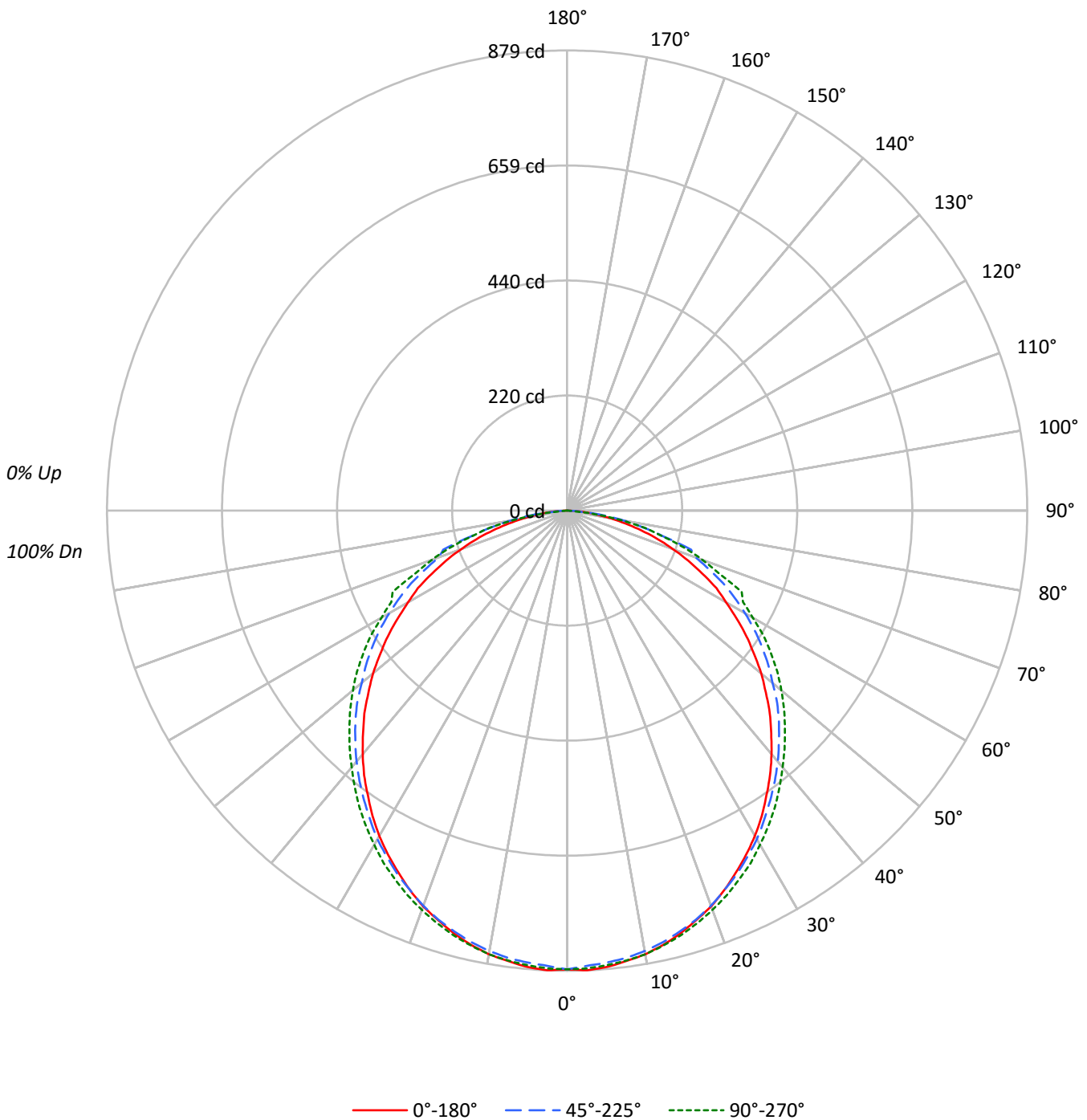
Lumens per Lamp: N/A
Luminaire Lumens: 2492.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
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	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	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2358	2358	2358
5°	2364	2341	2354
10°	2352	2335	2352
15°	2329	2319	2340
20°	2303	2300	2324
25°	2265	2276	2308
30°	2229	2252	2290
35°	2181	2221	2273
40°	2134	2199	2250
45°	2084	2177	2238
50°	2027	2144	2236
55°	1962	2133	2231
60°	1888	2112	2204
65°	1813	2094	2343
70°	1692	2049	2164
75°	1525	1983	1944
80°	1288	1705	1610
85°	945	831	303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	3.3
10°-20°	235.9	9.5
20°-30°	354.6	14.2
30°-40°	424.2	17.0
40°-50°	439.8	17.6
50°-60°	403.3	16.2
60°-70°	320.8	12.9
70°-80°	190.6	7.6
80°-90°	40.0	1.6
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°	673.3	27.0
0°-40°	1097.5	44.0
0°-60°	1940.6	77.9
0°-90°	2492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	875	873	867	873	872	83
15°	836	835	832	840	840	236
25°	763	764	766	777	777	352
35°	664	667	676	689	692	416
45°	548	556	572	584	588	422
55°	418	433	455	473	476	373
65°	285	302	329	342	368	282
75°	147	168	191	190	187	156
85°	31	38	27	15	10	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	876.4	876.4	876.4	876.4	876.4
2.5°	878.9	876.4	870.3	876.4	875.2
5°	875.2	872.8	866.7	872.8	871.6
7.5°	867.9	866.7	861.8	867.9	866.7
10°	860.6	858.1	854.4	860.6	860.6
12.5°	849.6	847.1	844.7	852.0	850.8
15°	836.1	834.9	832.4	839.8	839.8
17.5°	820.2	820.2	819.0	826.3	826.3
20°	804.3	803.1	803.1	811.7	811.7
22.5°	784.8	784.8	784.8	795.8	795.8
25°	762.8	764.0	766.4	777.4	777.4
27.5°	740.8	743.2	745.7	756.7	759.1
30°	717.5	718.8	724.9	735.9	737.1
32.5°	691.9	694.3	700.4	712.6	715.1
35°	663.8	667.4	676.0	689.4	691.9
37.5°	636.9	641.7	651.5	665.0	666.2
40°	607.5	613.6	625.9	638.1	640.5
42.5°	577.0	584.3	599.0	612.4	614.9
45°	547.6	556.2	572.1	584.3	588.0
47.5°	514.6	524.4	544.0	558.6	562.3
50°	484.1	493.8	512.2	530.5	534.2
52.5°	449.8	463.3	484.1	502.4	506.1
55°	418.1	432.7	454.7	473.1	475.5
57.5°	383.8	399.7	424.2	441.3	444.9
60°	350.8	367.9	392.4	408.3	409.5
62.5°	321.5	336.2	360.6	375.3	378.9
65°	284.8	301.9	328.8	342.3	367.9
67.5°	250.6	267.7	293.4	338.6	314.2
70°	215.1	234.7	260.4	272.6	275.0
72.5°	182.1	201.7	248.1	234.7	233.5
75°	146.7	167.5	190.7	189.5	187.0
77.5°	113.7	135.7	149.1	150.4	150.4
80°	83.1	110.0	110.0	110.0	103.9
82.5°	53.8	70.9	70.9	61.1	55.0
85°	30.6	37.9	26.9	14.7	9.8
87.5°	11.0	8.6	2.4	2.4	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)