

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: P302183

Luminaire Tested: **RX-WO-34L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-34L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

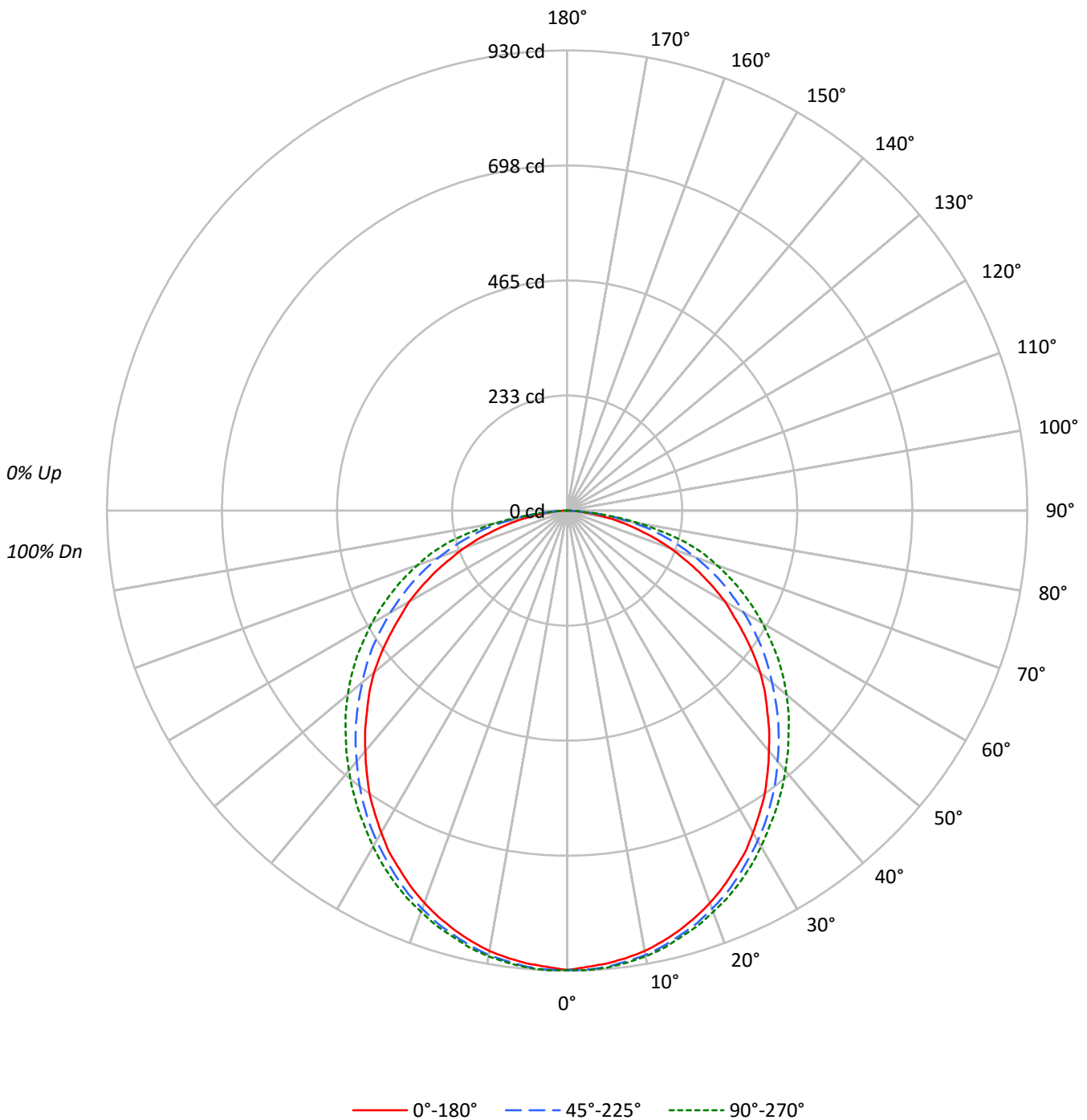
Lumens per Lamp: N/A
Luminaire Lumens: 2658.1 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2499	2499	2499
5°	2482	2501	2504
10°	2470	2492	2500
15°	2446	2473	2484
20°	2417	2452	2472
25°	2377	2425	2458
30°	2335	2394	2436
35°	2290	2361	2419
40°	2229	2324	2410
45°	2176	2295	2409
50°	2132	2263	2422
55°	2050	2248	2440
60°	1985	2220	2455
65°	1873	2202	2488
70°	1746	2164	2528
75°	1543	2123	2576
80°	1286	1984	2300
85°	966	1346	1220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	3.3
10°-20°	250.1	9.4
20°-30°	375.8	14.1
30°-40°	449.1	16.9
40°-50°	465.6	17.5
50°-60°	427.7	16.1
60°-70°	339.7	12.8
70°-80°	210.8	7.9
80°-90°	51.5	1.9
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°	713.7	26.9
0°-40°	1162.8	43.7
0°-60°	2056.1	77.4
0°-90°	2658.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2658.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	919	922	926	927	927	87
15°	878	881	888	892	892	248
25°	800	806	817	826	828	369
35°	697	704	719	732	736	435
45°	572	580	603	626	633	442
55°	437	448	479	509	520	391
65°	294	308	346	378	391	291
75°	148	167	204	236	248	159
85°	31	38	44	42	40	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.5	928.5	928.5	928.5	928.5
2.5°	923.0	924.4	928.5	931.2	929.8
5°	918.9	921.6	925.7	927.1	927.1
7.5°	912.1	914.8	918.9	921.6	921.6
10°	904.0	906.7	912.1	914.8	914.8
12.5°	891.7	894.4	901.2	904.0	905.3
15°	878.1	880.8	887.6	891.7	891.7
17.5°	861.7	865.8	874.0	878.1	879.4
20°	844.0	848.1	856.3	861.7	863.1
22.5°	823.6	827.7	838.6	845.4	846.8
25°	800.5	805.9	816.8	826.4	827.7
27.5°	778.7	782.8	793.7	803.2	807.3
30°	751.5	758.3	770.5	781.4	784.1
32.5°	724.2	732.4	746.0	758.3	759.6
35°	697.0	703.8	718.8	732.4	736.5
37.5°	665.7	672.5	691.6	706.6	712.0
40°	634.4	643.9	661.6	679.3	686.1
42.5°	604.4	614.0	633.0	653.5	660.3
45°	571.8	579.9	603.1	626.2	633.0
47.5°	541.8	548.6	571.8	599.0	607.2
50°	509.2	514.6	540.5	570.4	578.6
52.5°	473.8	481.9	510.5	540.5	550.0
55°	437.0	447.9	479.2	509.2	520.0
57.5°	400.2	412.5	445.2	477.8	487.4
60°	368.9	377.1	412.5	445.2	456.1
62.5°	330.8	343.1	378.5	412.5	423.4
65°	294.1	307.7	345.8	378.5	390.7
67.5°	255.9	272.3	311.8	343.1	356.7
70°	221.9	238.2	275.0	307.7	321.3
72.5°	185.1	202.8	239.6	273.6	288.6
75°	148.4	167.4	204.2	235.5	247.8
77.5°	115.7	134.8	168.8	190.6	196.0
80°	83.0	99.4	128.0	142.9	148.4
82.5°	55.8	68.1	87.1	92.6	95.3
85°	31.3	38.1	43.6	42.2	39.5
87.5°	13.6	10.9	9.5	4.1	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)