

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: P302075

Luminaire Tested: **ZX-WO-29L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-29L930-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (84)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

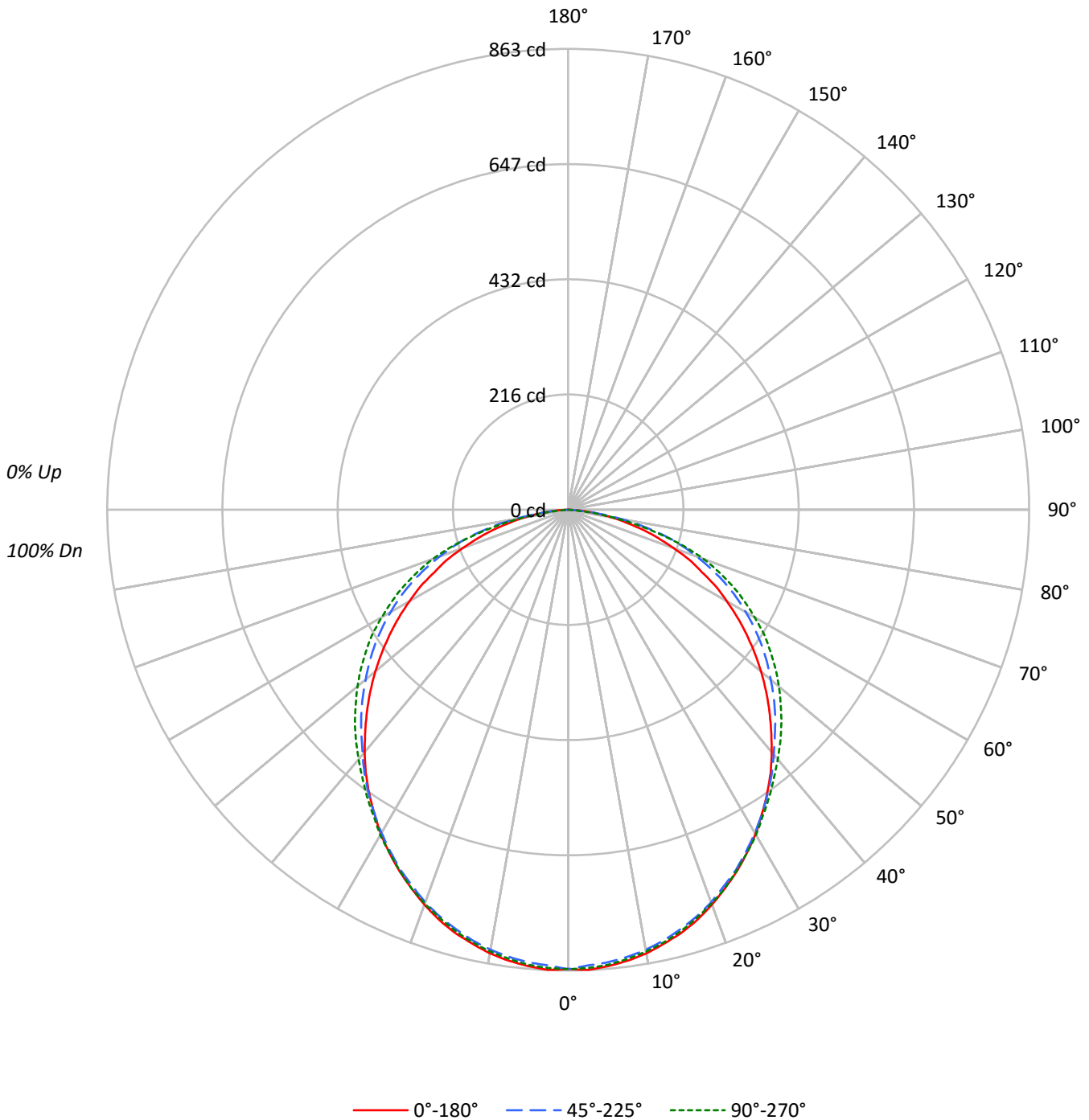
Lumens per Lamp: N/A
Luminaire Lumens: 2409.0 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	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°	2315	2315	2315
5°	2317	2298	2311
10°	2305	2286	2296
15°	2285	2265	2275
20°	2254	2241	2247
25°	2218	2208	2215
30°	2179	2171	2186
35°	2133	2137	2156
40°	2082	2103	2144
45°	2027	2085	2148
50°	1973	2072	2156
55°	1913	2073	2167
60°	1845	2068	2169
65°	1756	2056	2169
70°	1651	2012	2124
75°	1495	1923	1862
80°	1278	1553	1370
85°	911	729	219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	3.4
10°-20°	230.3	9.6
20°-30°	343.6	14.3
30°-40°	408.2	16.9
40°-50°	423.7	17.6
50°-60°	391.8	16.3
60°-70°	312.1	13.0
70°-80°	182.7	7.6
80°-90°	35.5	1.5
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°	655.1	27.2
0°-40°	1063.3	44.1
0°-60°	1878.8	78.0
0°-90°	2409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2409.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	860	860	860	860	860	
5°	858	856	851	856	856	81
15°	820	819	813	819	817	231
25°	747	746	744	747	746	344
35°	649	649	650	655	656	406
45°	533	538	548	561	564	411
55°	408	420	442	457	462	365
65°	276	296	323	336	341	275
75°	144	167	185	183	179	152
85°	30	35	24	12	7	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	860.2	860.2	860.2	860.2	860.2
2.5°	862.6	860.2	854.4	860.2	859.1
5°	857.9	855.5	850.8	855.5	855.5
7.5°	852.0	849.6	844.9	849.6	848.5
10°	843.7	841.4	836.7	841.4	840.2
12.5°	832.0	830.8	826.1	830.8	829.6
15°	820.2	819.0	813.1	819.0	816.6
17.5°	804.9	803.7	799.0	802.5	801.3
20°	787.2	784.8	782.5	786.0	784.8
22.5°	767.2	766.0	762.4	768.3	767.2
25°	747.1	745.9	743.6	747.1	745.9
27.5°	724.7	723.5	721.2	725.9	724.7
30°	701.2	701.2	698.8	704.7	703.5
32.5°	675.2	675.2	675.2	678.8	678.8
35°	649.3	649.3	650.5	655.2	656.4
37.5°	622.2	622.2	625.7	632.8	632.8
40°	592.7	595.1	598.6	609.2	610.4
42.5°	562.1	566.8	572.7	585.7	588.0
45°	532.6	538.5	548.0	560.9	564.5
47.5°	502.0	509.1	522.0	536.2	539.7
50°	471.4	480.8	494.9	511.4	515.0
52.5°	439.6	450.2	469.0	485.5	489.0
55°	407.7	419.5	441.9	457.2	461.9
57.5°	375.9	388.9	413.6	428.9	434.8
60°	342.9	357.1	384.2	398.3	403.0
62.5°	312.3	327.6	354.7	367.7	372.4
65°	275.8	295.8	322.9	335.8	340.6
67.5°	246.3	265.1	289.9	304.0	305.2
70°	209.8	233.3	255.7	267.5	269.9
72.5°	176.8	200.3	222.7	227.4	227.4
75°	143.8	167.3	185.0	182.7	179.1
77.5°	110.8	134.3	143.8	135.5	132.0
80°	82.5	102.5	100.2	91.9	88.4
82.5°	54.2	69.5	58.9	49.5	44.8
85°	29.5	35.4	23.6	11.8	7.1
87.5°	10.6	7.1	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)