

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: P302220

Luminaire Tested: **ZX-WO-44L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-44L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

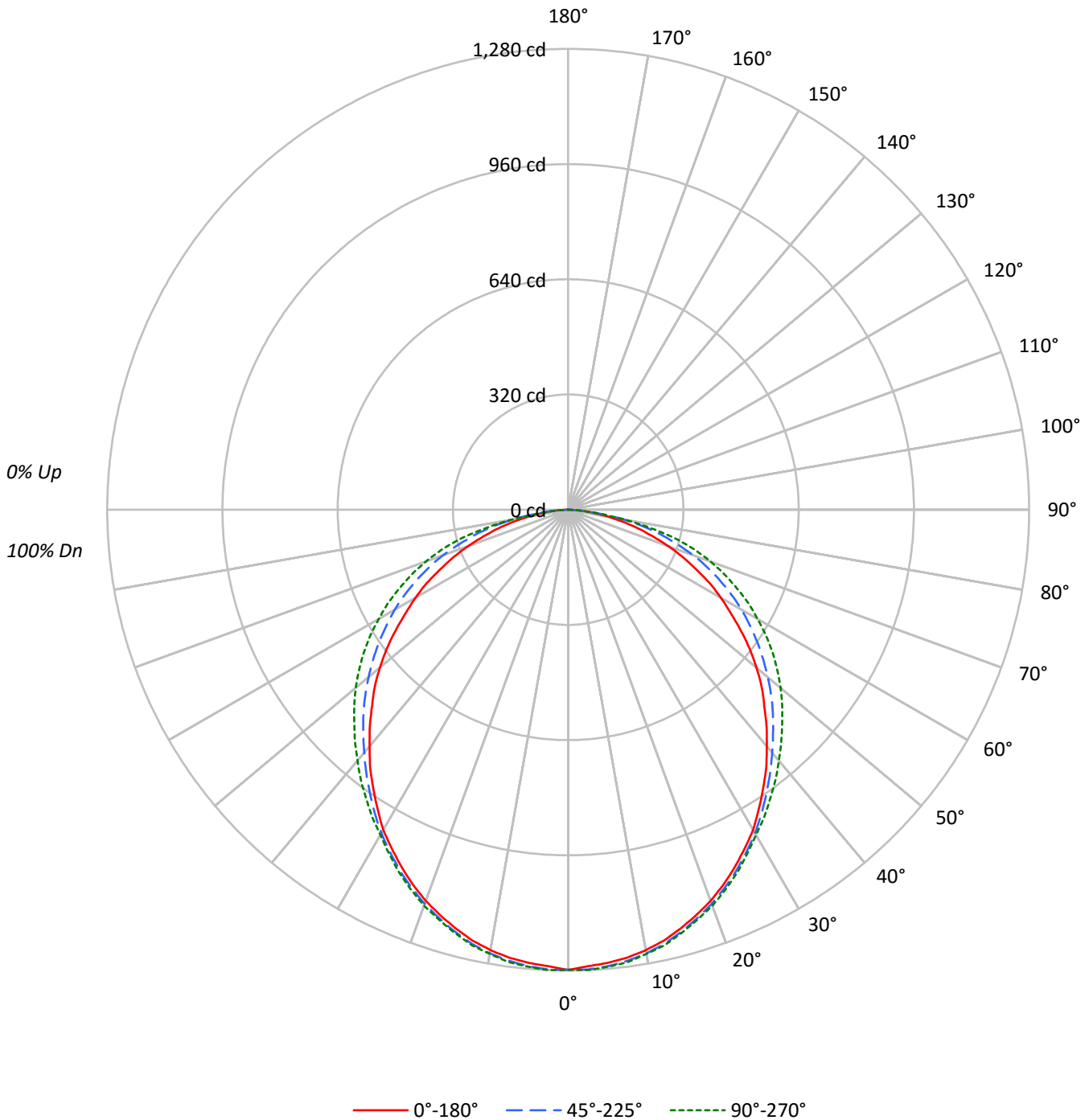
Lumens per Lamp: N/A
Luminaire Lumens: 3552.2 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): 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	62	56	52	49
5	76	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	47	38	32	59	46	38	32	45	37	32	43	37	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°	3439	3439	3439
5°	3413	3438	3442
10°	3394	3419	3424
15°	3355	3380	3390
20°	3310	3336	3351
25°	3251	3283	3299
30°	3190	3224	3241
35°	3101	3155	3214
40°	3014	3096	3197
45°	2930	3060	3197
50°	2856	3028	3224
55°	2746	3006	3251
60°	2637	2995	3265
65°	2492	2960	3291
70°	2330	2910	3305
75°	2090	2763	3191
80°	1753	2421	2448
85°	1386	1386	1108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.4
10°-20°	341.8	9.6
20°-30°	508.6	14.3
30°-40°	601.7	16.9
40°-50°	621.7	17.5
50°-60°	571.6	16.1
60°-70°	454.5	12.8
70°-80°	272.3	7.7
80°-90°	59.4	1.7
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°	971.1	27.3
0°-40°	1572.7	44.3
0°-60°	2766.0	77.9
0°-90°	3552.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3552.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1278	1278	1278	1278	1278	
5°	1264	1267	1273	1274	1274	120
15°	1204	1208	1213	1217	1217	340
25°	1095	1098	1106	1111	1111	504
35°	944	950	960	973	978	591
45°	770	777	804	833	840	595
55°	585	598	641	680	693	524
65°	391	415	465	506	517	389
75°	201	228	266	296	307	213
85°	45	48	45	41	36	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1278.0	1278.0	1278.0	1278.0	1278.0
2.5°	1269.0	1272.6	1278.0	1279.8	1279.8
5°	1263.6	1267.2	1272.6	1274.4	1274.4
7.5°	1254.7	1258.3	1263.6	1265.4	1267.2
10°	1242.1	1245.7	1251.1	1252.9	1252.9
12.5°	1226.0	1227.7	1234.9	1236.7	1238.5
15°	1204.4	1208.0	1213.4	1217.0	1217.0
17.5°	1181.1	1184.7	1190.1	1193.6	1193.6
20°	1156.0	1159.5	1164.9	1168.5	1170.3
22.5°	1127.2	1130.8	1136.2	1141.6	1141.6
25°	1094.9	1098.5	1105.7	1111.1	1111.1
27.5°	1060.8	1064.4	1071.6	1077.0	1077.0
30°	1026.7	1028.5	1037.5	1041.1	1042.9
32.5°	985.4	990.8	999.8	1007.0	1012.4
35°	944.1	949.5	960.3	972.9	978.3
37.5°	902.9	908.2	920.8	938.8	945.9
40°	858.0	865.2	881.3	904.7	910.0
42.5°	814.9	823.9	841.8	868.8	875.9
45°	770.0	777.2	804.1	832.9	840.0
47.5°	728.8	734.1	764.7	797.0	805.9
50°	682.1	689.3	723.4	759.3	770.0
52.5°	635.4	644.4	682.1	719.8	732.3
55°	585.2	597.7	640.8	680.3	692.9
57.5°	534.9	552.8	597.7	637.2	651.6
60°	490.0	506.2	556.4	594.1	606.7
62.5°	443.4	461.3	511.6	549.3	565.4
65°	391.3	414.6	464.9	506.2	516.9
67.5°	344.6	368.0	418.2	455.9	470.3
70°	296.2	323.1	369.8	403.9	420.0
72.5°	245.9	274.6	315.9	351.8	368.0
75°	201.0	228.0	265.7	296.2	306.9
77.5°	156.2	181.3	211.8	229.8	233.3
80°	113.1	132.8	156.2	159.8	158.0
82.5°	75.4	89.7	96.9	93.3	93.3
85°	44.9	48.5	44.9	41.3	35.9
87.5°	16.2	14.4	10.8	7.2	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)