

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: P302462

Luminaire Tested: **ZX-WO-40L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-40L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

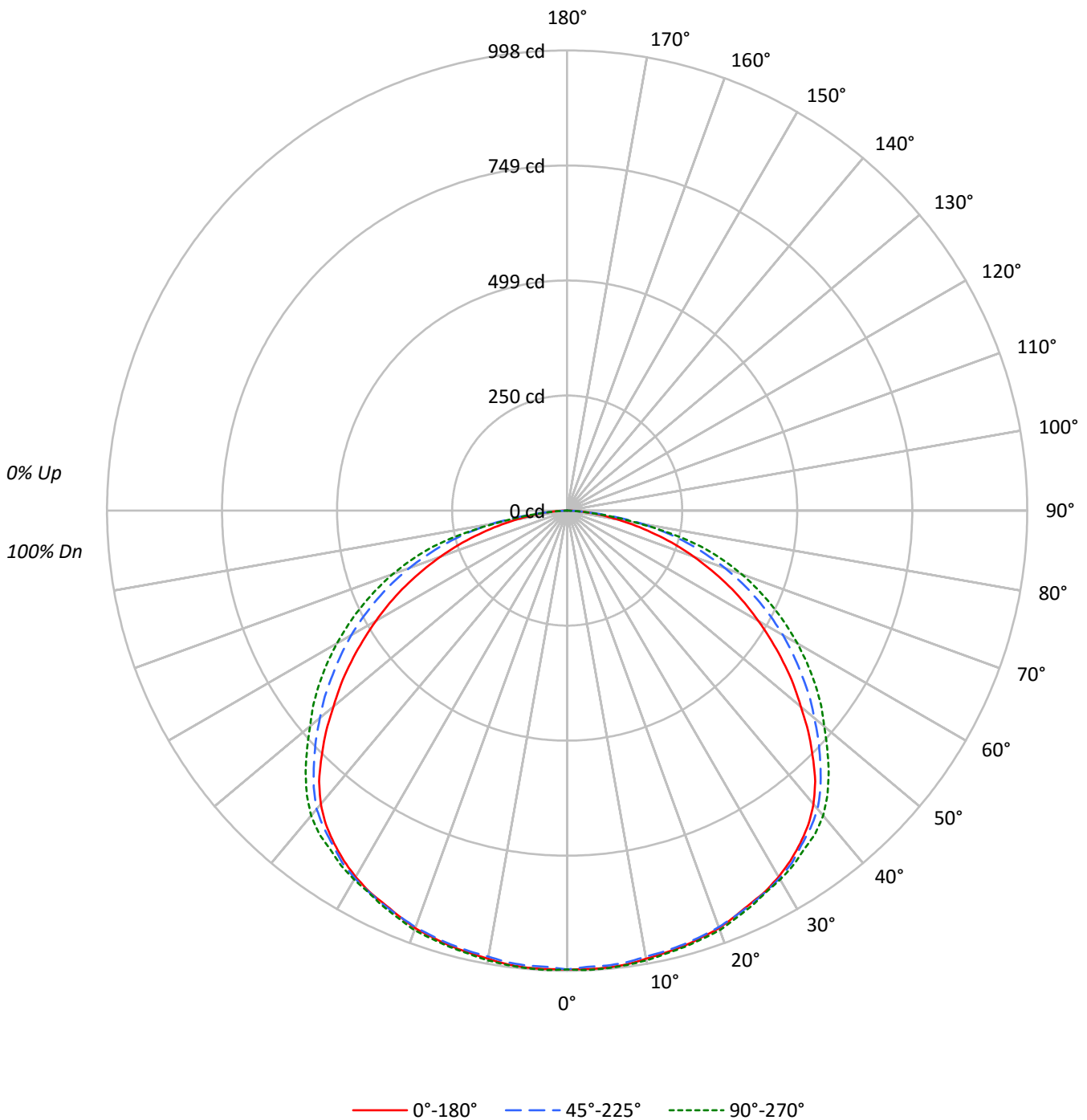
Lumens per Lamp: N/A
Luminaire Lumens: 3292.2 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.6
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1339	1339	1339
5°	1344	1338	1346
10°	1348	1342	1353
15°	1362	1357	1365
20°	1380	1377	1387
25°	1396	1400	1405
30°	1425	1431	1436
35°	1447	1455	1472
40°	1460	1485	1517
45°	1433	1478	1526
50°	1385	1465	1523
55°	1342	1456	1541
60°	1289	1455	1552
65°	1232	1447	1566
70°	1148	1432	1582
75°	1027	1396	1559
80°	855	1288	1198
85°	647	753	628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	2.9
10°-20°	276.6	8.4
20°-30°	436.2	13.2
30°-40°	556.9	16.9
40°-50°	599.9	18.2
50°-60°	552.7	16.8
60°-70°	442.1	13.4
70°-80°	271.4	8.2
80°-90°	61.9	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°	807.5	24.5
0°-40°	1364.4	41.4
0°-60°	2516.9	76.5
0°-90°	3292.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3292.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	995	995	995	995	995	
5°	995	995	990	996	996	95
15°	978	979	974	980	980	276
25°	940	942	943	948	946	435
35°	881	884	886	895	896	551
45°	753	762	777	796	802	580
55°	572	587	621	649	657	511
65°	387	413	455	482	492	382
75°	198	229	269	293	300	211
85°	42	56	49	43	41	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.2	995.2	995.2	995.2	995.2
2.5°	995.2	996.3	990.5	996.3	997.5
5°	995.2	995.2	990.5	996.3	996.3
7.5°	992.8	992.8	988.2	994.0	994.0
10°	987.0	987.0	982.4	988.2	990.5
12.5°	982.4	982.4	978.9	984.7	984.7
15°	977.7	978.9	974.2	980.0	980.0
17.5°	970.7	970.7	968.4	973.1	974.2
20°	963.8	963.8	961.4	967.3	968.4
22.5°	952.1	953.3	952.1	956.8	956.8
25°	940.5	941.7	942.8	947.5	946.3
27.5°	931.2	932.4	932.4	937.0	933.5
30°	917.3	920.8	920.8	923.1	924.2
32.5°	901.0	905.6	906.8	911.5	912.6
35°	881.2	883.6	885.9	895.2	896.3
37.5°	859.1	865.0	867.3	880.1	883.6
40°	831.2	838.2	845.2	861.5	863.8
42.5°	796.4	804.5	813.8	831.2	835.9
45°	753.3	761.5	776.6	796.4	802.2
47.5°	709.2	718.5	739.4	760.3	765.0
50°	661.5	675.5	699.9	724.3	727.8
52.5°	618.5	632.4	662.7	688.2	694.1
55°	572.0	587.1	620.8	648.7	656.9
57.5°	525.5	545.2	581.3	609.2	617.3
60°	479.0	499.9	540.6	566.2	576.6
62.5°	433.6	456.9	497.6	526.6	534.8
65°	387.1	412.7	454.6	482.5	491.8
67.5°	339.5	366.2	410.4	438.3	447.6
70°	291.8	322.0	363.9	394.1	402.2
72.5°	246.5	274.4	316.2	343.0	353.4
75°	197.6	229.0	268.6	293.0	299.9
77.5°	153.5	183.7	218.6	233.7	231.4
80°	110.4	141.8	166.2	161.6	154.6
82.5°	74.4	100.0	103.5	96.5	94.2
85°	41.9	55.8	48.8	43.0	40.7
87.5°	17.4	15.1	8.1	3.5	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)