

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: P302452

Luminaire Tested: **ZX-WO-40L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302452
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-40L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

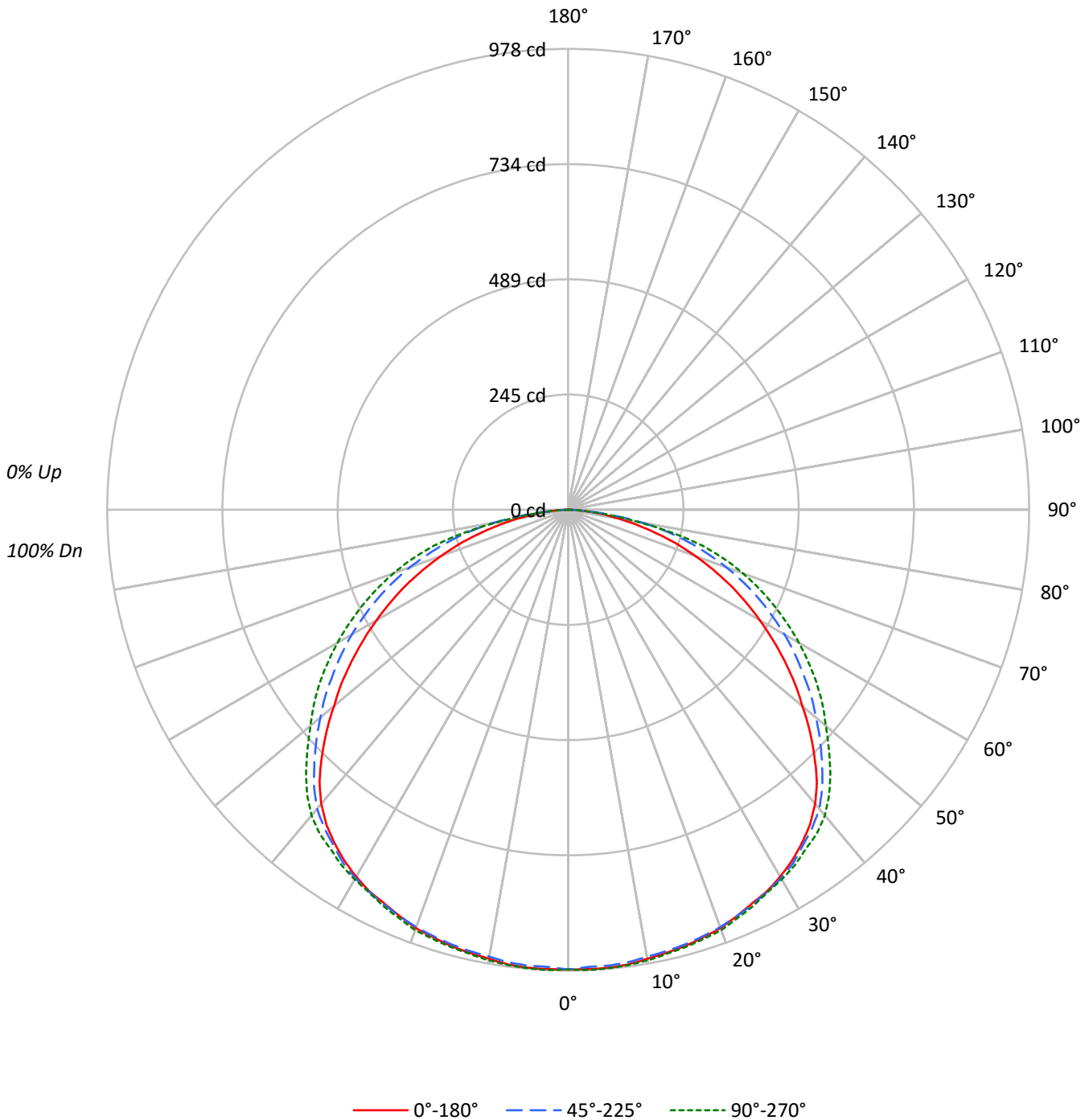
Lumens per Lamp: N/A
Luminaire Lumens: 3228.1 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1313	1313	1313
5°	1318	1312	1319
10°	1322	1316	1327
15°	1335	1331	1338
20°	1353	1350	1360
25°	1369	1372	1378
30°	1397	1403	1408
35°	1419	1427	1444
40°	1431	1456	1488
45°	1406	1449	1497
50°	1358	1436	1494
55°	1316	1428	1511
60°	1264	1426	1521
65°	1209	1419	1535
70°	1126	1404	1552
75°	1007	1369	1529
80°	839	1263	1175
85°	633	739	616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	2.9
10°-20°	271.2	8.4
20°-30°	427.7	13.2
30°-40°	546.0	16.9
40°-50°	588.2	18.2
50°-60°	541.9	16.8
60°-70°	433.5	13.4
70°-80°	266.1	8.2
80°-90°	60.7	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°	791.7	24.5
0°-40°	1337.7	41.4
0°-60°	2467.8	76.4
0°-90°	3228.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3228.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	976	976	971	977	977	93
15°	959	960	955	961	961	271
25°	922	923	924	929	928	427
35°	864	866	869	878	879	540
45°	739	747	762	781	786	569
55°	561	576	609	636	644	501
65°	380	405	446	473	482	375
75°	194	225	263	287	294	206
85°	41	55	48	42	40	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.8	975.8	975.8	975.8	975.8
2.5°	975.8	976.9	971.2	976.9	978.0
5°	975.8	975.8	971.2	976.9	976.9
7.5°	973.5	973.5	968.9	974.6	974.6
10°	967.8	967.8	963.2	968.9	971.2
12.5°	963.2	963.2	959.8	965.5	965.5
15°	958.7	959.8	955.2	960.9	960.9
17.5°	951.8	951.8	949.5	954.1	955.2
20°	945.0	945.0	942.7	948.4	949.5
22.5°	933.6	934.7	933.6	938.1	938.1
25°	922.2	923.3	924.5	929.0	927.9
27.5°	913.1	914.2	914.2	918.8	915.3
30°	899.4	902.8	902.8	905.1	906.2
32.5°	883.4	888.0	889.1	893.7	894.8
35°	864.1	866.3	868.6	877.7	878.9
37.5°	842.4	848.1	850.4	862.9	866.3
40°	815.0	821.9	828.7	844.7	847.0
42.5°	780.8	788.8	797.9	815.0	819.6
45°	738.7	746.6	761.5	780.8	786.5
47.5°	695.3	704.5	725.0	745.5	750.1
50°	648.6	662.3	686.2	710.2	713.6
52.5°	606.4	620.1	649.7	674.8	680.5
55°	560.8	575.7	608.7	636.1	644.0
57.5°	515.2	534.6	570.0	597.3	605.3
60°	469.6	490.2	530.1	555.1	565.4
62.5°	425.2	448.0	487.9	516.4	524.4
65°	379.6	404.7	445.7	473.1	482.2
67.5°	332.9	359.1	402.4	429.7	438.9
70°	286.1	315.8	356.8	386.4	394.4
72.5°	241.7	269.0	310.1	336.3	346.5
75°	193.8	224.6	263.3	287.3	294.1
77.5°	150.5	180.1	214.3	229.1	226.8
80°	108.3	139.1	163.0	158.4	151.6
82.5°	73.0	98.0	101.5	94.6	92.3
85°	41.0	54.7	47.9	42.2	39.9
87.5°	17.1	14.8	8.0	3.4	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)