

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: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)

Luminaire Tested: **E3X-WL-4L35-LD5-UNV-24**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: E3X-WL-4L35-LD5-UNV-24  
Description: CORELITE CLASS E LED 2X4 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

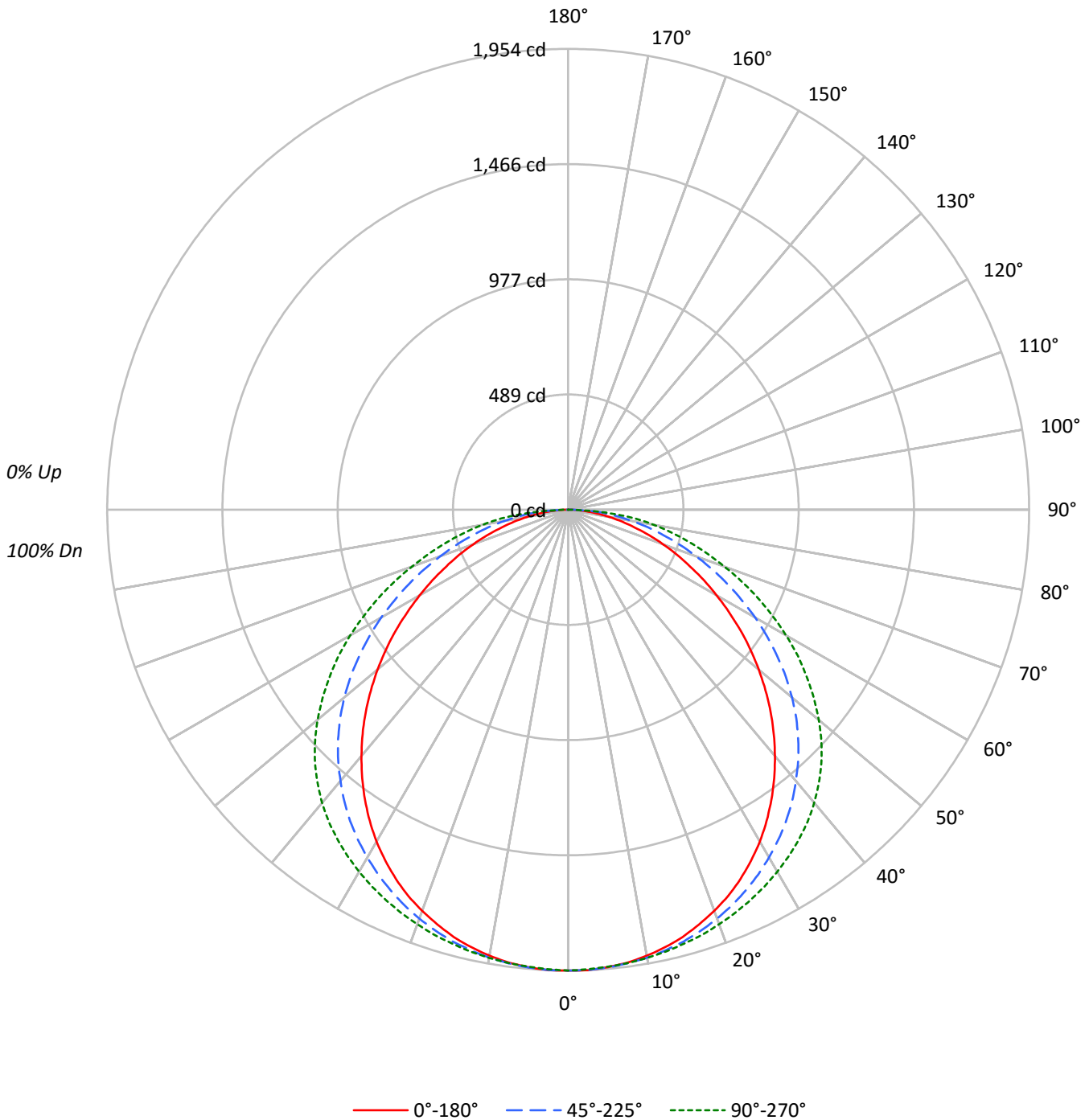
Lumens per Lamp: N/A  
Luminaire Lumens: 5875.0 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42  
Luminous Opening: Rectangular (W 1.77' x L: 3.79' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.6  
Input Voltage (V): NR  
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	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3147	3147	3147
5°	3146	3148	3143
10°	3140	3154	3155
15°	3126	3158	3175
20°	3101	3161	3205
25°	3070	3164	3245
30°	3021	3165	3295
35°	2951	3167	3353
40°	2866	3156	3410
45°	2764	3141	3456
50°	2641	3101	3474
55°	2503	3034	3464
60°	2341	2947	3436
65°	2173	2838	3381
70°	2011	2717	3312
75°	1813	2612	3306
80°	1636	2551	3419
85°	1432	2649	3397



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.1	3.2
10°-20°	534.1	9.1
20°-30°	819.8	14.0
30°-40°	1004.5	17.1
40°-50°	1057.0	18.0
50°-60°	957.2	16.3
60°-70°	730.1	12.4
70°-80°	441.6	7.5
80°-90°	145.7	2.5
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°	1539.0	26.2
0°-40°	2543.5	43.3
0°-60°	4557.7	77.6
0°-90°	5875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1947	1942	1948	1949	1945	185
15°	1876	1876	1895	1906	1904	529
25°	1728	1736	1781	1818	1827	795
35°	1502	1527	1611	1682	1706	938
45°	1214	1257	1379	1484	1518	935
55°	892	946	1081	1196	1234	796
65°	570	625	745	849	887	568
75°	291	330	420	501	531	313
85°	78	95	143	175	184	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1954.3	1954.3	1954.3	1954.3	1954.3
2.5°	1954.3	1948.0	1953.4	1954.3	1950.2
5°	1946.8	1941.6	1948.0	1949.1	1944.8
7.5°	1936.4	1932.1	1939.5	1941.6	1938.5
10°	1920.4	1918.4	1928.9	1933.1	1929.9
12.5°	1900.1	1898.1	1912.8	1920.4	1918.4
15°	1875.6	1875.6	1894.8	1905.6	1904.5
17.5°	1843.8	1846.0	1871.6	1887.3	1889.5
20°	1810.0	1814.1	1845.0	1866.2	1870.3
22.5°	1772.6	1777.0	1815.0	1843.8	1850.2
25°	1728.0	1735.5	1781.1	1818.1	1826.8
27.5°	1678.0	1689.8	1743.9	1788.5	1801.4
30°	1624.9	1640.8	1702.5	1756.8	1772.6
32.5°	1565.4	1584.6	1658.9	1720.4	1740.7
35°	1501.6	1527.3	1611.1	1682.4	1705.7
37.5°	1434.7	1463.7	1559.0	1639.7	1667.4
40°	1363.4	1399.5	1501.6	1592.9	1622.6
42.5°	1290.2	1330.5	1443.4	1541.1	1572.7
45°	1213.9	1257.4	1379.3	1483.7	1517.6
47.5°	1134.9	1185.0	1311.3	1420.9	1455.9
50°	1054.2	1106.2	1238.1	1350.8	1387.0
52.5°	973.5	1027.8	1162.6	1275.3	1312.4
55°	891.7	945.9	1081.0	1195.5	1233.9
57.5°	807.6	865.1	999.1	1112.8	1154.0
60°	726.9	784.4	915.2	1024.6	1067.0
62.5°	648.3	705.7	828.7	938.4	977.5
65°	570.5	625.0	744.9	849.2	887.4
67.5°	499.5	547.3	660.0	759.9	797.1
70°	427.1	471.8	577.1	670.4	703.6
72.5°	359.4	399.7	497.4	585.7	617.5
75°	291.4	330.5	419.9	501.4	531.4
77.5°	233.9	264.6	345.4	420.7	448.6
80°	176.4	203.1	275.1	343.2	368.8
82.5°	124.2	146.8	208.2	265.7	287.0
85°	77.5	94.6	143.4	175.2	183.9
87.5°	35.1	46.7	64.8	63.7	63.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)