

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-3L35-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-3L35-LD5-UNV-24
Description: CORELITE CLASS E LED 2X4 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

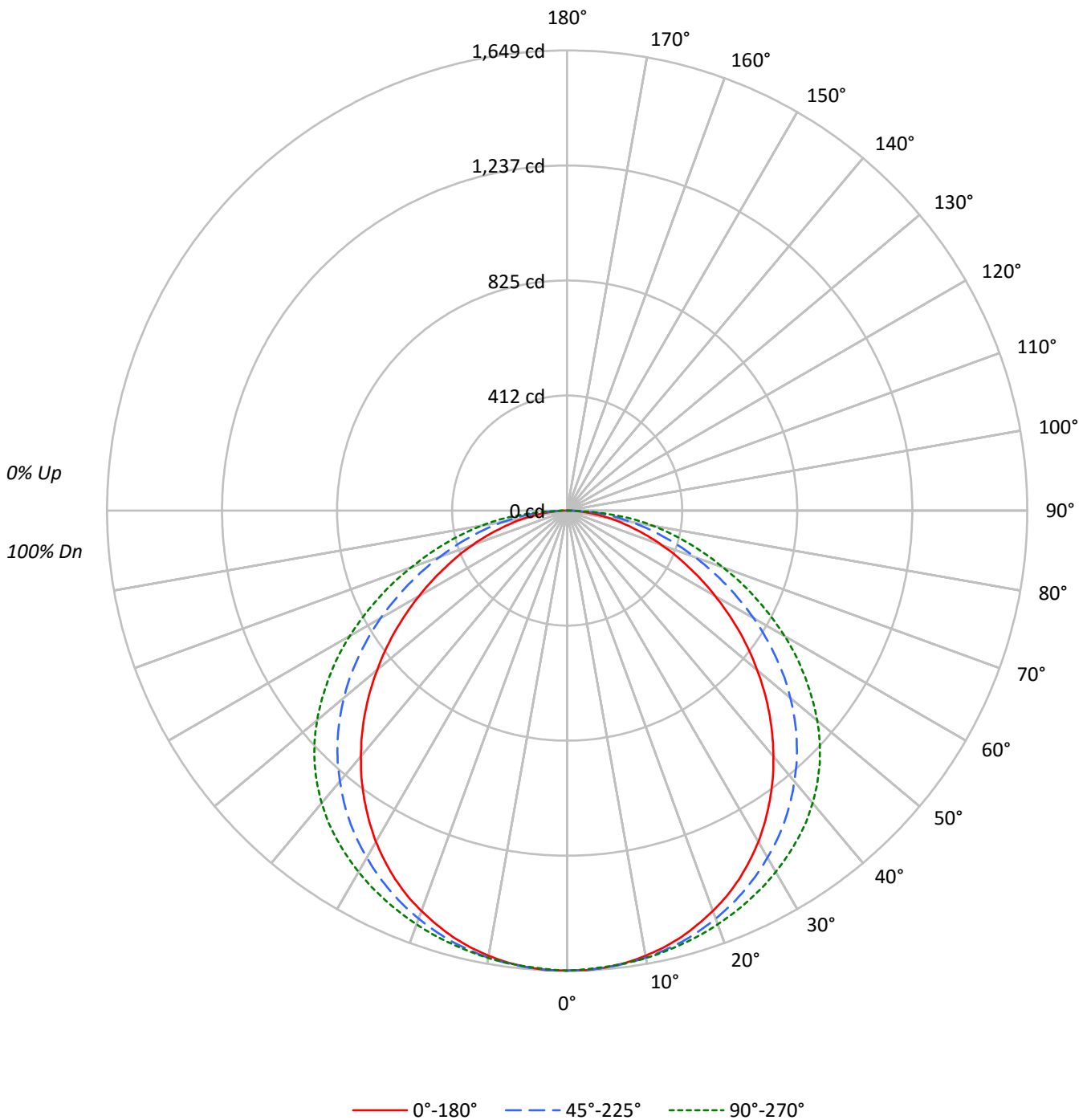
Lumens per Lamp: N/A
Luminaire Lumens: 4956.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.77' x L: 3.79' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	2654	2654	2654
5°	2654	2656	2652
10°	2649	2660	2662
15°	2637	2664	2678
20°	2616	2667	2703
25°	2590	2669	2738
30°	2548	2670	2780
35°	2490	2671	2828
40°	2417	2662	2877
45°	2332	2649	2915
50°	2228	2616	2931
55°	2111	2560	2922
60°	1975	2486	2898
65°	1834	2394	2852
70°	1696	2292	2794
75°	1529	2203	2789
80°	1380	2152	2884
85°	1208	2235	2865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	3.2
10°-20°	450.5	9.1
20°-30°	691.5	14.0
30°-40°	847.4	17.1
40°-50°	891.7	18.0
50°-60°	807.5	16.3
60°-70°	615.9	12.4
70°-80°	372.5	7.5
80°-90°	122.9	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°	1298.2	26.2
0°-40°	2145.6	43.3
0°-60°	3844.7	77.6
0°-90°	4956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4956.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1642	1638	1643	1644	1641	156
15°	1582	1582	1598	1608	1607	446
25°	1458	1464	1502	1534	1541	671
35°	1267	1288	1359	1419	1439	792
45°	1024	1061	1164	1252	1280	789
55°	752	798	912	1008	1041	672
65°	481	527	628	716	749	479
75°	246	279	354	423	448	264
85°	65	80	121	148	155	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1648.6	1648.6	1648.6	1648.6	1648.6
2.5°	1648.6	1643.3	1647.8	1648.6	1645.1
5°	1642.3	1637.9	1643.3	1644.2	1640.6
7.5°	1633.5	1629.9	1636.1	1637.9	1635.3
10°	1620.0	1618.3	1627.2	1630.7	1628.0
12.5°	1602.9	1601.2	1613.6	1620.0	1618.3
15°	1582.2	1582.2	1598.4	1607.5	1606.6
17.5°	1555.4	1557.2	1578.8	1592.1	1593.9
20°	1526.9	1530.3	1556.4	1574.3	1577.7
22.5°	1495.3	1499.0	1531.1	1555.4	1560.8
25°	1457.7	1464.0	1502.5	1533.7	1541.0
27.5°	1415.5	1425.5	1471.1	1508.7	1519.6
30°	1370.7	1384.1	1436.2	1482.0	1495.3
32.5°	1320.5	1336.7	1399.4	1451.3	1468.4
35°	1266.7	1288.4	1359.1	1419.2	1438.9
37.5°	1210.3	1234.7	1315.1	1383.2	1406.6
40°	1150.1	1180.6	1266.7	1343.7	1368.8
42.5°	1088.4	1122.4	1217.6	1300.0	1326.7
45°	1024.0	1060.7	1163.5	1251.6	1280.2
47.5°	957.4	999.6	1106.2	1198.6	1228.2
50°	889.3	933.2	1044.4	1139.5	1170.0
52.5°	821.2	867.0	980.7	1075.8	1107.1
55°	752.2	797.9	911.9	1008.5	1040.9
57.5°	681.3	729.8	842.8	938.7	973.5
60°	613.2	661.7	772.0	864.3	900.1
62.5°	546.9	595.3	699.1	791.6	824.6
65°	481.3	527.2	628.4	716.4	748.6
67.5°	421.4	461.7	556.8	641.0	672.4
70°	360.3	398.0	486.8	565.5	593.5
72.5°	303.2	337.2	419.6	494.1	520.9
75°	245.8	278.8	354.2	423.0	448.3
77.5°	197.3	223.2	291.4	354.9	378.4
80°	148.8	171.3	232.1	289.5	311.1
82.5°	104.8	123.8	175.6	224.1	242.1
85°	65.4	79.8	121.0	147.8	155.1
87.5°	29.6	39.4	54.7	53.7	53.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)