

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

Summary

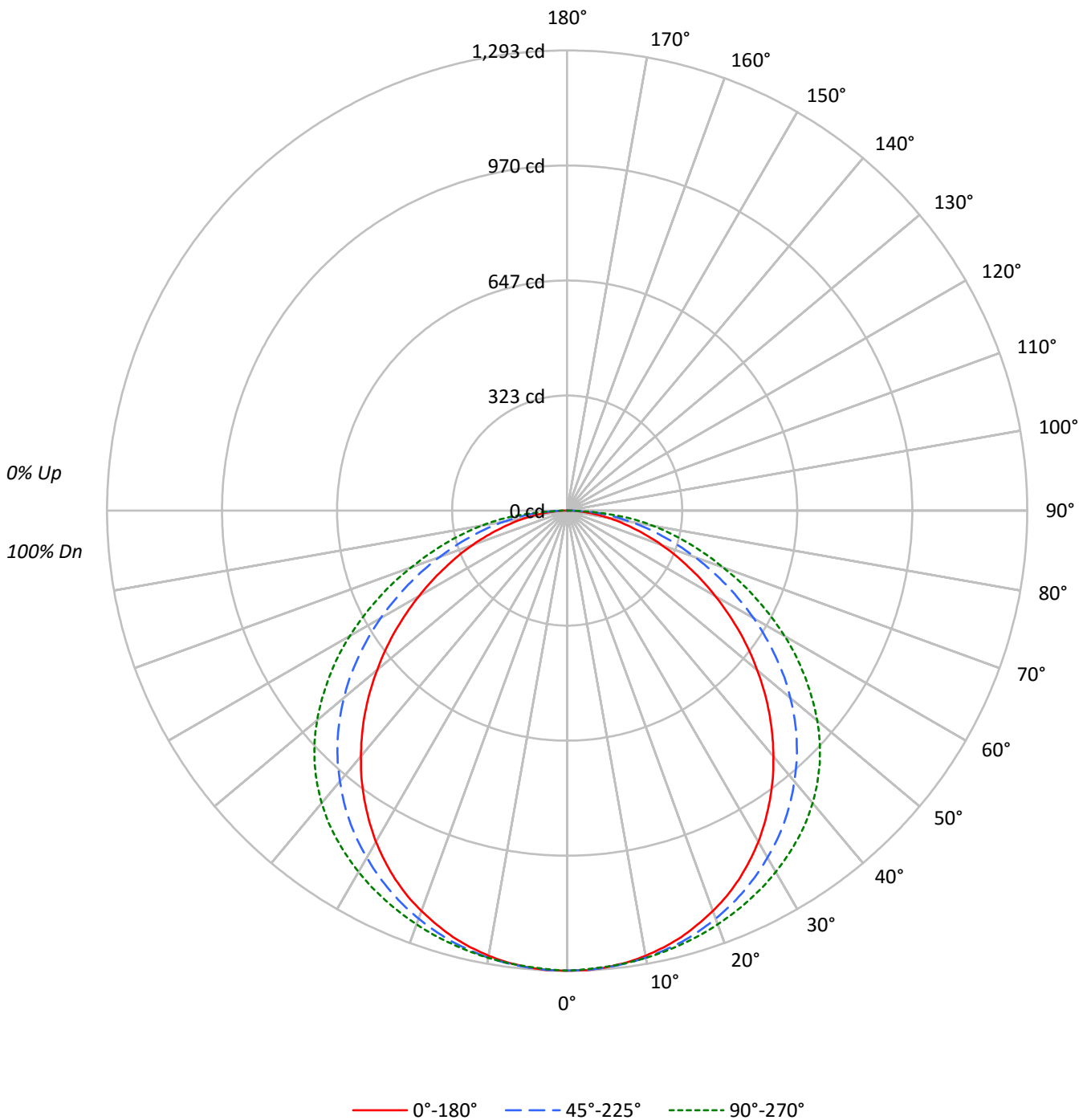
Lumens per Lamp: N/A
Luminaire Lumens: 3886.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.77' x L: 3.79' x H: 0')
CIE Type: Direct

Input Watts (W): 30.5
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



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
CATALOG NUMBER: E3X-WL-2L35-LD5-UNV-24

Luminous Intensity Polar Plot





TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
 CATALOG NUMBER: E3X-WL-2L35-LD5-UNV-24

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°	2081	2081	2081
5°	2081	2082	2079
10°	2077	2086	2087
15°	2068	2089	2100
20°	2051	2091	2120
25°	2031	2093	2147
30°	1998	2094	2180
35°	1952	2095	2217
40°	1895	2087	2256
45°	1828	2077	2286
50°	1747	2051	2298
55°	1656	2007	2291
60°	1548	1949	2273
65°	1438	1877	2236
70°	1330	1797	2191
75°	1199	1728	2187
80°	1082	1687	2261
85°	948	1753	2246



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
 CATALOG NUMBER: E3X-WL-2L35-LD5-UNV-24

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.2
10°-20°	353.2	9.1
20°-30°	542.2	14.0
30°-40°	664.4	17.1
40°-50°	699.2	18.0
50°-60°	633.1	16.3
60°-70°	482.9	12.4
70°-80°	292.1	7.5
80°-90°	96.4	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°	1017.9	26.2
0°-40°	1682.4	43.3
0°-60°	3014.7	77.6
0°-90°	3886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3886.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1293	1293	1293	1293	1293	
5°	1288	1284	1288	1289	1286	122
15°	1241	1241	1253	1260	1260	350
25°	1143	1148	1178	1203	1208	526
35°	993	1010	1066	1113	1128	621
45°	803	832	912	981	1004	619
55°	590	626	715	791	816	527
65°	377	413	493	562	587	376
75°	193	219	278	332	352	207
85°	51	63	95	116	122	59
90°	0	0	0	0	0	



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25680)
 CATALOG NUMBER: E3X-WL-2L35-LD5-UNV-24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1292.7	1292.7	1292.7	1292.7	1292.7
2.5°	1292.7	1288.5	1292.0	1292.7	1289.9
5°	1287.7	1284.3	1288.5	1289.2	1286.4
7.5°	1280.8	1278.0	1282.9	1284.3	1282.2
10°	1270.2	1268.9	1275.9	1278.6	1276.5
12.5°	1256.8	1255.5	1265.2	1270.2	1268.9
15°	1240.6	1240.6	1253.3	1260.4	1259.7
17.5°	1219.6	1221.0	1237.9	1248.4	1249.8
20°	1197.2	1199.9	1220.4	1234.4	1237.1
22.5°	1172.5	1175.4	1200.5	1219.6	1223.8
25°	1143.0	1147.9	1178.1	1202.6	1208.3
27.5°	1109.9	1117.7	1153.5	1183.0	1191.5
30°	1074.8	1085.3	1126.1	1162.0	1172.5
32.5°	1035.4	1048.1	1097.3	1138.0	1151.4
35°	993.2	1010.2	1065.7	1112.8	1128.2
37.5°	949.0	968.1	1031.2	1084.6	1102.9
40°	901.8	925.7	993.2	1053.6	1073.3
42.5°	853.4	880.1	954.7	1019.3	1040.3
45°	802.9	831.7	912.3	981.4	1003.8
47.5°	750.7	783.8	867.4	939.8	963.0
50°	697.3	731.7	818.9	893.5	917.4
52.5°	643.9	679.8	769.0	843.5	868.1
55°	589.8	625.6	715.0	790.8	816.2
57.5°	534.2	572.2	660.8	736.0	763.3
60°	480.8	518.8	605.3	677.7	705.8
62.5°	428.8	466.8	548.2	620.7	646.6
65°	377.4	413.4	492.7	561.7	587.0
67.5°	330.4	362.0	436.6	502.6	527.2
70°	282.5	312.1	381.7	443.4	465.4
72.5°	237.7	264.4	329.0	387.4	408.4
75°	192.7	218.6	277.7	331.7	351.5
77.5°	154.7	175.0	228.5	278.3	296.7
80°	116.7	134.3	182.0	227.0	243.9
82.5°	82.2	97.1	137.7	175.7	189.8
85°	51.3	62.6	94.9	115.9	121.6
87.5°	23.2	30.9	42.9	42.1	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)