

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 (P25686)

Luminaire Tested: **E3X-WL-4L35-LD5-UNV-22**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25686)
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-22
Description: CORELITE CLASS E LED 2X2 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

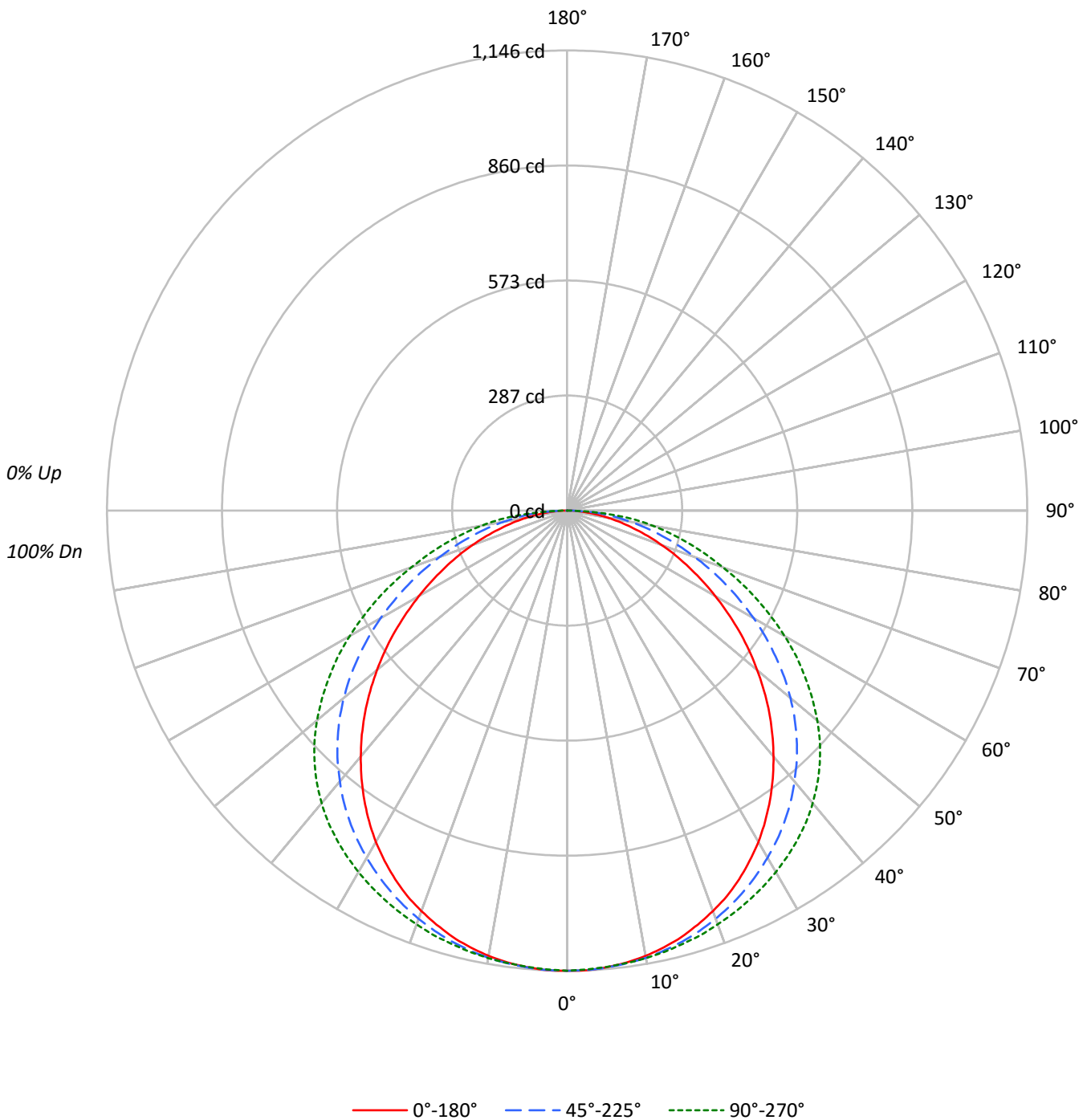
Lumens per Lamp: N/A
Luminaire Lumens: 3445.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.76' x L: 1.78' x H: 0')
CIE Type: Direct

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



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69				69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57				57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37				37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32				32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29				29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26				26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3938	3938	3938
5°	3937	3939	3934
10°	3929	3946	3948
15°	3912	3952	3972
20°	3881	3955	4010
25°	3841	3960	4061
30°	3780	3961	4124
35°	3694	3962	4196
40°	3586	3950	4268
45°	3458	3930	4324
50°	3304	3881	4348
55°	3132	3797	4334
60°	2929	3687	4300
65°	2721	3552	4231
70°	2517	3400	4144
75°	2266	3268	4135
80°	2048	3192	4280
85°	1798	3315	4250



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	3.2
10°-20°	313.2	9.1
20°-30°	480.7	14.0
30°-40°	589.0	17.1
40°-50°	619.8	18.0
50°-60°	561.3	16.3
60°-70°	428.1	12.4
70°-80°	258.9	7.5
80°-90°	85.4	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°	902.4	26.2
0°-40°	1491.5	43.3
0°-60°	2672.6	77.6
0°-90°	3445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1142	1138	1142	1143	1140	108
15°	1100	1100	1111	1117	1117	310
25°	1013	1018	1044	1066	1071	466
35°	881	896	945	986	1000	550
45°	712	737	809	870	890	548
55°	523	555	634	701	724	467
65°	335	366	437	498	520	333
75°	171	194	246	294	312	183
85°	46	56	84	103	108	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1146.1	1146.1	1146.1	1146.1	1146.1
2.5°	1146.1	1142.2	1145.4	1146.1	1143.6
5°	1141.5	1138.5	1142.2	1142.9	1140.5
7.5°	1135.5	1133.0	1137.2	1138.5	1136.7
10°	1126.1	1125.0	1131.0	1133.7	1131.7
12.5°	1114.2	1113.1	1121.7	1126.1	1125.0
15°	1099.9	1099.9	1111.1	1117.3	1116.7
17.5°	1081.2	1082.5	1097.3	1106.7	1108.1
20°	1061.4	1063.7	1081.8	1094.3	1096.6
22.5°	1039.5	1042.1	1064.3	1081.2	1084.9
25°	1013.3	1017.8	1044.5	1066.2	1071.2
27.5°	983.9	990.8	1022.5	1048.9	1056.4
30°	952.8	962.0	998.3	1030.2	1039.5
32.5°	918.0	929.2	972.7	1009.0	1020.9
35°	880.6	895.5	944.7	986.4	1000.3
37.5°	841.4	858.2	914.3	961.5	977.9
40°	799.6	820.7	880.6	934.1	951.5
42.5°	756.7	780.2	846.3	903.6	922.3
45°	711.7	737.2	808.8	870.1	889.9
47.5°	665.6	694.8	768.9	833.2	853.7
50°	618.1	648.6	726.0	792.2	813.4
52.5°	570.8	602.7	681.7	747.8	769.6
55°	522.9	554.6	633.8	701.0	723.5
57.5°	473.4	507.2	585.8	652.5	676.9
60°	426.3	459.9	536.5	600.8	625.7
62.5°	380.1	413.8	486.0	550.2	573.4
65°	334.7	366.5	436.9	497.8	520.4
67.5°	292.9	320.9	387.1	445.5	467.4
70°	250.6	276.6	338.4	393.1	412.5
72.5°	210.7	234.3	291.5	343.3	362.1
75°	170.7	193.8	246.2	294.1	311.5
77.5°	137.2	155.2	202.5	246.7	263.1
80°	103.5	119.0	161.3	201.5	216.3
82.5°	72.9	86.2	122.0	155.9	168.3
85°	45.6	55.5	84.1	102.8	107.8
87.5°	20.5	27.3	37.9	37.2	37.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)