

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-5L35-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-5L35-LD5-UNV-22
Description: CORELITE CLASS E LED 2X2 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

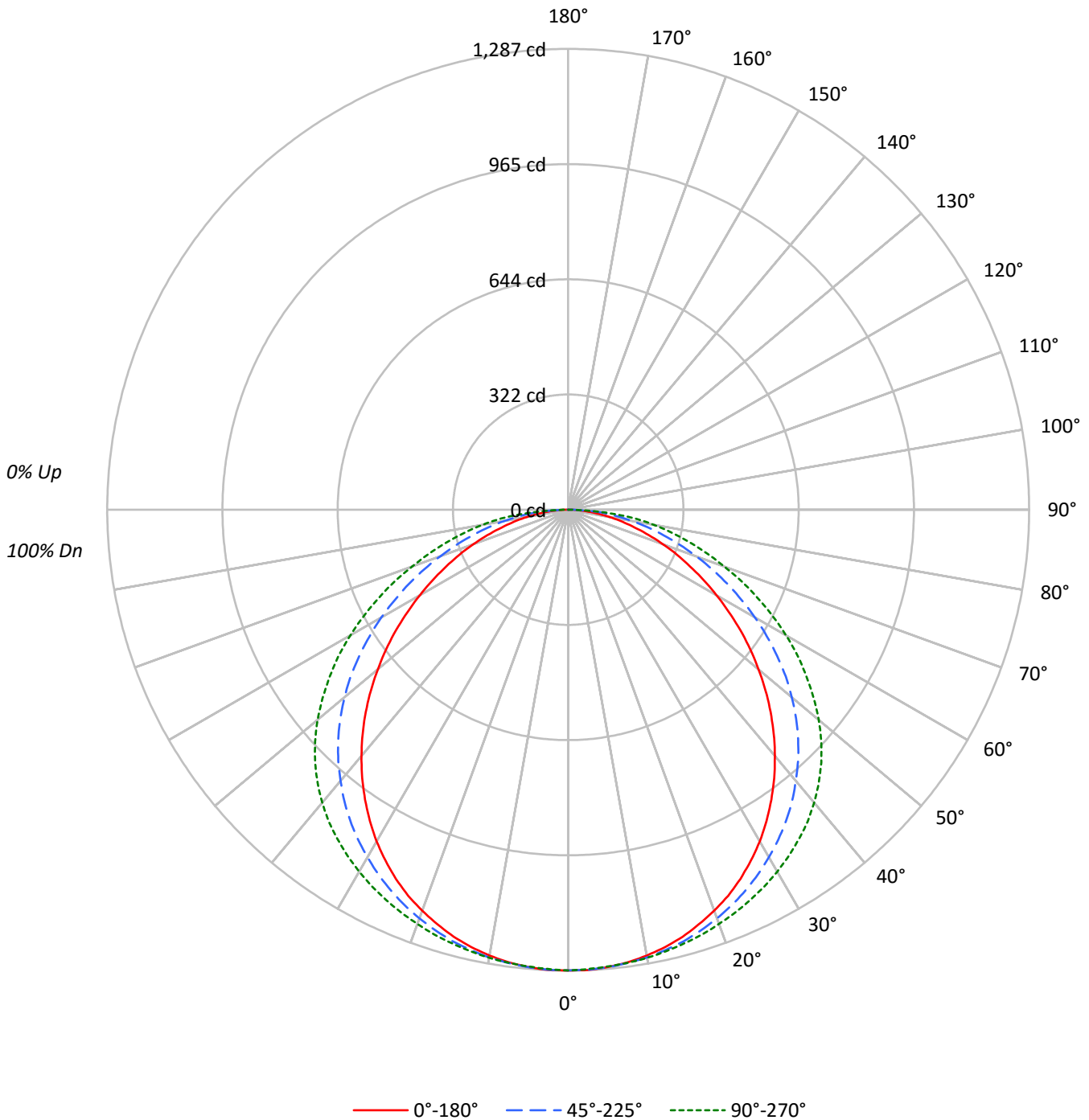
Lumens per Lamp: N/A
Luminaire Lumens: 3868.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.76' x L: 1.78' x H: 0')
CIE Type: Direct

Input Watts (W): 35.6
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	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°	4421	4421	4421
5°	4421	4423	4416
10°	4411	4431	4433
15°	4393	4437	4460
20°	4357	4441	4502
25°	4313	4446	4560
30°	4244	4447	4630
35°	4147	4449	4711
40°	4027	4435	4792
45°	3883	4413	4855
50°	3710	4357	4882
55°	3517	4263	4866
60°	3289	4140	4827
65°	3055	3988	4750
70°	2827	3817	4652
75°	2545	3669	4642
80°	2299	3583	4806
85°	2018	3721	4770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.2
10°-20°	351.6	9.1
20°-30°	539.7	14.0
30°-40°	661.4	17.1
40°-50°	695.9	18.0
50°-60°	630.2	16.3
60°-70°	480.7	12.4
70°-80°	290.7	7.5
80°-90°	95.9	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°	1013.2	26.2
0°-40°	1674.6	43.3
0°-60°	3000.7	77.6
0°-90°	3868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1282	1278	1282	1283	1280	122
15°	1235	1235	1248	1254	1254	348
25°	1138	1143	1173	1197	1203	524
35°	989	1006	1061	1108	1123	618
45°	799	828	908	977	999	616
55°	587	623	712	787	812	524
65°	376	412	490	559	584	374
75°	192	218	276	330	350	206
85°	51	62	94	115	121	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.8	1286.8	1286.8	1286.8	1286.8
2.5°	1286.8	1282.4	1286.0	1286.8	1284.0
5°	1281.7	1278.3	1282.4	1283.2	1280.5
7.5°	1274.9	1272.1	1276.8	1278.3	1276.3
10°	1264.4	1263.1	1269.9	1272.9	1270.7
12.5°	1251.0	1249.8	1259.4	1264.4	1263.1
15°	1235.0	1235.0	1247.5	1254.5	1253.8
17.5°	1214.0	1215.4	1232.0	1242.6	1244.2
20°	1191.7	1194.3	1214.6	1228.7	1231.2
22.5°	1167.1	1170.1	1195.0	1214.0	1218.1
25°	1137.7	1142.8	1172.8	1197.1	1202.7
27.5°	1104.7	1112.5	1148.0	1177.7	1186.1
30°	1069.8	1080.1	1120.9	1156.7	1167.1
32.5°	1030.7	1043.3	1092.1	1132.9	1146.3
35°	988.7	1005.5	1060.7	1107.5	1123.1
37.5°	944.7	963.6	1026.6	1079.6	1098.0
40°	897.8	921.5	988.7	1048.8	1068.3
42.5°	849.6	876.0	950.2	1014.5	1035.5
45°	799.1	827.7	908.1	976.9	999.2
47.5°	747.3	780.1	863.3	935.5	958.5
50°	694.0	728.2	815.1	889.5	913.3
52.5°	640.9	676.7	765.4	839.6	864.1
55°	587.1	622.7	711.6	787.1	812.3
57.5°	531.5	569.5	657.7	732.6	760.0
60°	478.6	516.4	602.4	674.6	702.5
62.5°	426.8	464.6	545.7	617.8	643.8
65°	375.8	411.5	490.5	558.9	584.3
67.5°	328.9	360.3	434.6	500.2	524.8
70°	281.4	310.6	380.0	441.4	463.1
72.5°	236.6	263.1	327.3	385.5	406.6
75°	191.7	217.6	276.4	330.2	349.7
77.5°	154.0	174.3	227.4	277.0	295.4
80°	116.2	133.6	181.1	226.2	242.9
82.5°	81.9	96.8	137.0	175.0	189.0
85°	51.2	62.3	94.4	115.4	121.0
87.5°	23.0	30.7	42.6	41.8	41.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)