

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-6L35-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-6L35-LD5-UNV-22
Description: CORELITE CLASS E LED 2X2 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

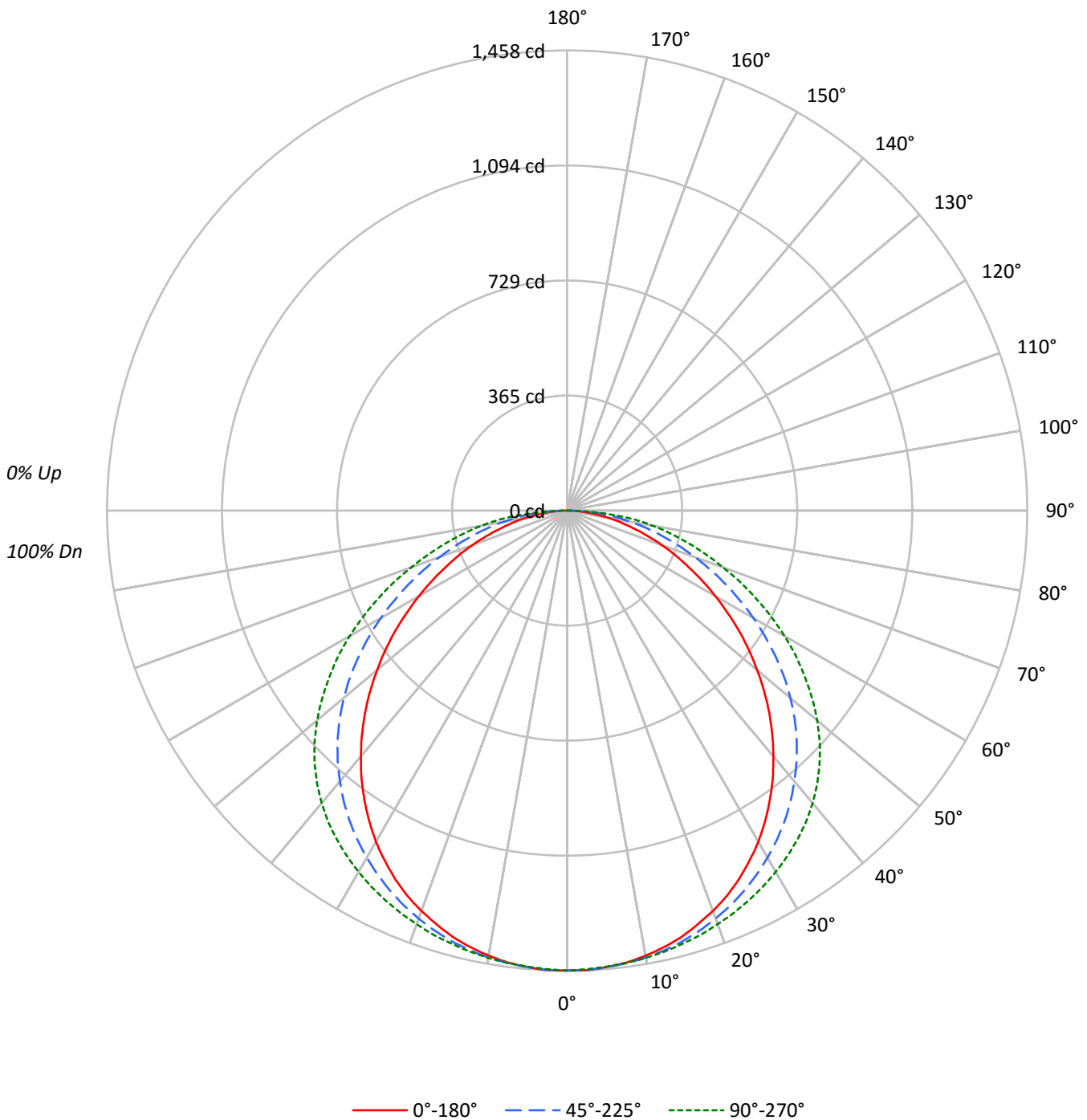
Lumens per Lamp: N/A
Luminaire Lumens: 4381.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.76' x L: 1.78' x H: 0')
CIE Type: Direct

Input Watts (W): 39.9
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°	5008	5008	5008
5°	5007	5010	5002
10°	4996	5018	5021
15°	4976	5026	5051
20°	4935	5030	5099
25°	4885	5036	5164
30°	4807	5037	5245
35°	4697	5039	5335
40°	4561	5023	5427
45°	4398	4998	5499
50°	4201	4935	5529
55°	3984	4828	5511
60°	3725	4689	5468
65°	3460	4517	5380
70°	3202	4324	5269
75°	2882	4156	5258
80°	2604	4058	5443
85°	2286	4214	5401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	3.2
10°-20°	398.3	9.1
20°-30°	611.3	14.0
30°-40°	749.1	17.1
40°-50°	788.2	18.0
50°-60°	713.7	16.3
60°-70°	544.4	12.4
70°-80°	329.3	7.5
80°-90°	108.6	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°	1147.6	26.2
0°-40°	1896.7	43.3
0°-60°	3398.7	77.6
0°-90°	4381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1452	1448	1452	1453	1450	138
15°	1399	1399	1413	1421	1420	394
25°	1289	1294	1328	1356	1362	593
35°	1120	1139	1201	1254	1272	700
45°	905	938	1028	1106	1132	698
55°	665	705	806	892	920	594
65°	426	466	556	633	662	423
75°	217	246	313	374	396	233
85°	58	71	107	131	137	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1457.5	1452.5	1456.6	1457.5	1454.3
5°	1451.7	1447.8	1452.5	1453.4	1450.3
7.5°	1444.0	1440.8	1446.1	1447.8	1445.6
10°	1432.1	1430.6	1438.3	1441.7	1439.2
12.5°	1416.9	1415.6	1426.4	1432.1	1430.6
15°	1398.8	1398.8	1412.9	1420.9	1420.1
17.5°	1375.0	1376.6	1395.4	1407.4	1409.2
20°	1349.7	1352.7	1375.7	1391.7	1394.5
22.5°	1321.9	1325.3	1353.5	1375.0	1379.6
25°	1288.6	1294.4	1328.3	1355.9	1362.2
27.5°	1251.2	1260.0	1300.3	1333.9	1343.4
30°	1211.7	1223.3	1269.6	1310.1	1321.9
32.5°	1167.4	1181.7	1236.9	1283.1	1298.3
35°	1119.8	1138.9	1201.4	1254.4	1272.0
37.5°	1070.0	1091.4	1162.8	1222.8	1243.6
40°	1016.9	1043.7	1119.8	1187.9	1210.0
42.5°	962.3	992.2	1076.2	1149.0	1172.8
45°	905.1	937.5	1028.5	1106.5	1131.7
47.5°	846.4	883.6	977.8	1059.6	1085.6
50°	786.0	824.8	923.2	1007.5	1034.4
52.5°	725.9	766.4	866.9	951.0	978.7
55°	665.0	705.3	806.0	891.5	920.0
57.5°	602.0	645.0	744.9	829.8	860.8
60°	542.1	584.9	682.3	764.1	795.7
62.5°	483.4	526.2	618.1	699.7	729.2
65°	425.6	466.1	555.6	633.0	661.8
67.5°	372.5	408.1	492.2	566.5	594.4
70°	318.7	351.8	430.4	499.9	524.5
72.5°	268.0	298.0	370.7	436.6	460.5
75°	217.1	246.5	313.1	374.0	396.1
77.5°	174.4	197.4	257.6	313.7	334.6
80°	131.6	151.3	205.1	256.2	275.1
82.5°	92.8	109.6	155.2	198.2	214.1
85°	58.0	70.6	106.9	130.7	137.0
87.5°	26.1	34.8	48.2	47.3	47.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)