

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-3L35-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-3L35-LD5-UNV-22
Description: CORELITE CLASS E LED 2X2 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

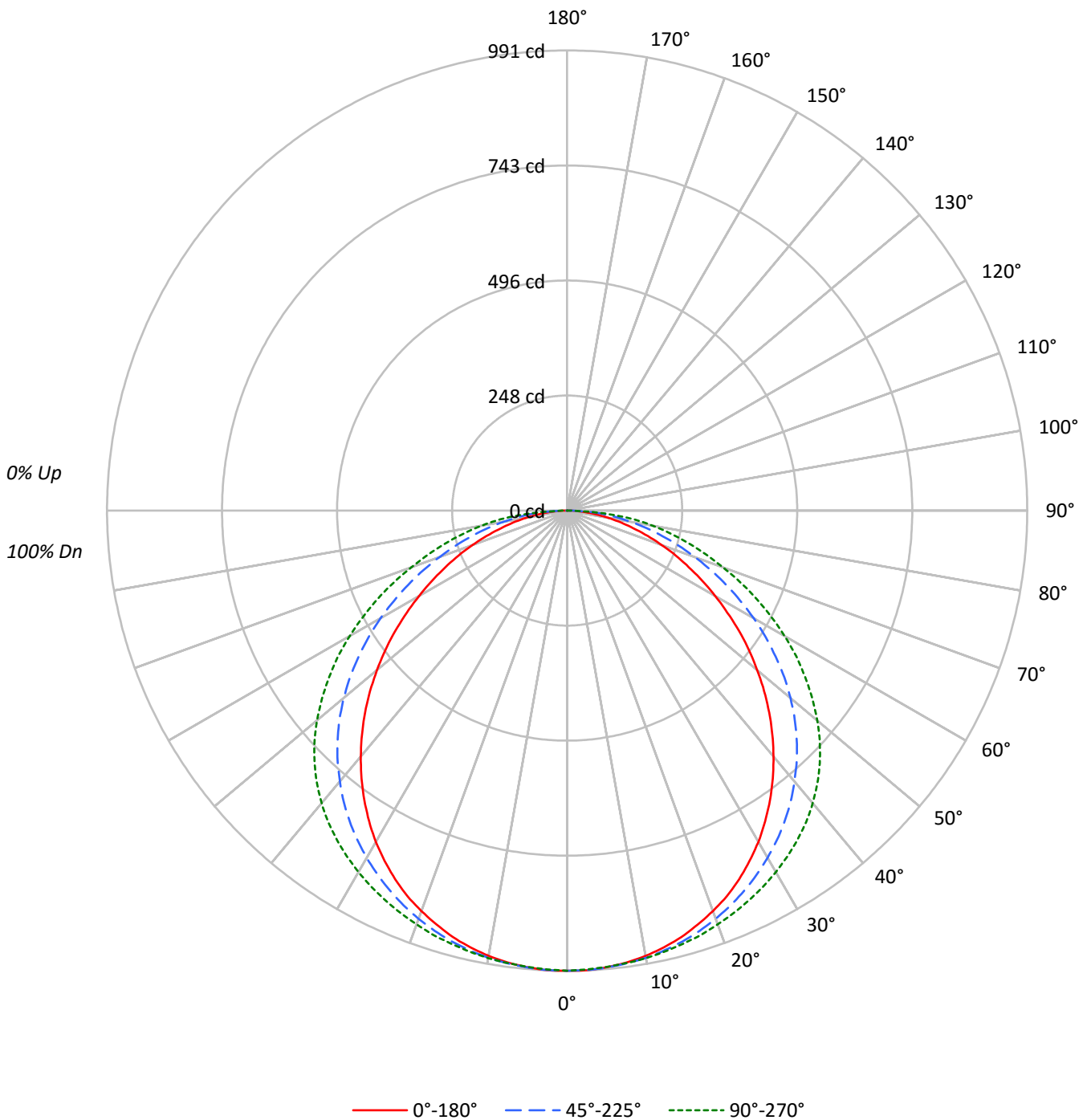
Lumens per Lamp: N/A
Luminaire Lumens: 2979.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.76' x L: 1.78' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
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



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25686)
CATALOG NUMBER: E3X-WL-3L35-LD5-UNV-22

Luminous Intensity Polar Plot





TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25686)
 CATALOG NUMBER: E3X-WL-3L35-LD5-UNV-22

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°	3405	3405	3405
5°	3405	3407	3401
10°	3397	3412	3414
15°	3383	3418	3435
20°	3356	3421	3467
25°	3322	3424	3512
30°	3269	3425	3566
35°	3194	3426	3628
40°	3101	3415	3690
45°	2990	3398	3739
50°	2857	3356	3760
55°	2709	3283	3748
60°	2533	3188	3718
65°	2353	3072	3658
70°	2177	2939	3583
75°	1959	2826	3576
80°	1771	2760	3700
85°	1553	2866	3674



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25686)
 CATALOG NUMBER: E3X-WL-3L35-LD5-UNV-22

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	3.2
10°-20°	270.8	9.1
20°-30°	415.7	14.0
30°-40°	509.4	17.1
40°-50°	536.0	18.0
50°-60°	485.3	16.3
60°-70°	370.2	12.4
70°-80°	223.9	7.5
80°-90°	73.9	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°	780.4	26.2
0°-40°	1289.7	43.3
0°-60°	2311.1	77.6
0°-90°	2979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	987	984	988	988	986	94
15°	951	951	961	966	966	268
25°	876	880	903	922	926	403
35°	762	774	817	853	865	476
45°	615	638	699	752	770	474
55°	452	480	548	606	626	404
65°	289	317	378	430	450	288
75°	148	168	213	254	269	159
85°	39	48	73	89	93	45
90°	0	0	0	0	0	



TEST NUMBER: REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P25686)
 CATALOG NUMBER: E3X-WL-3L35-LD5-UNV-22

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.1	991.1	991.1	991.1	991.1
2.5°	991.1	987.7	990.5	991.1	988.9
5°	987.1	984.5	987.7	988.3	986.2
7.5°	981.9	979.7	983.4	984.5	982.9
10°	973.8	972.8	978.0	980.3	978.6
12.5°	963.5	962.5	970.0	973.8	972.8
15°	951.1	951.1	960.8	966.2	965.6
17.5°	934.9	936.1	948.9	957.0	958.2
20°	917.8	919.8	935.5	946.3	948.3
22.5°	898.9	901.1	920.3	934.9	938.1
25°	876.2	880.1	903.2	922.0	926.3
27.5°	850.8	856.8	884.2	907.0	913.5
30°	823.9	831.9	863.3	890.8	898.9
32.5°	793.8	803.5	841.1	872.5	882.8
35°	761.5	774.4	816.9	853.0	865.0
37.5°	727.6	742.1	790.6	831.4	845.6
40°	691.4	709.7	761.5	807.7	822.8
42.5°	654.3	674.7	731.8	781.4	797.5
45°	615.4	637.5	699.4	752.4	769.5
47.5°	575.6	600.8	664.9	720.5	738.2
50°	534.5	560.9	627.8	685.0	703.4
52.5°	493.6	521.2	589.5	646.6	665.5
55°	452.2	479.6	548.1	606.2	625.6
57.5°	409.4	438.6	506.6	564.2	585.3
60°	368.6	397.7	463.9	519.5	541.1
62.5°	328.7	357.8	420.3	475.8	495.8
65°	289.4	316.9	377.8	430.5	450.0
67.5°	253.3	277.5	334.7	385.2	404.2
70°	216.7	239.2	292.6	339.9	356.7
72.5°	182.2	202.6	252.1	296.9	313.1
75°	147.6	167.6	212.9	254.3	269.4
77.5°	118.6	134.2	175.1	213.3	227.5
80°	89.5	102.9	139.5	174.2	187.0
82.5°	63.0	74.5	105.5	134.8	145.5
85°	39.4	48.0	72.7	88.9	93.2
87.5°	17.7	23.6	32.8	32.2	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)