

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-1L35-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-1L35-LD5-UNV-24
Description: CORELITE CLASS E LED 2X4 ARCHITECTURAL RECESSED LINEAR PRISMATIC LENS
Light Source: -
Ballast/Driver: -

Summary

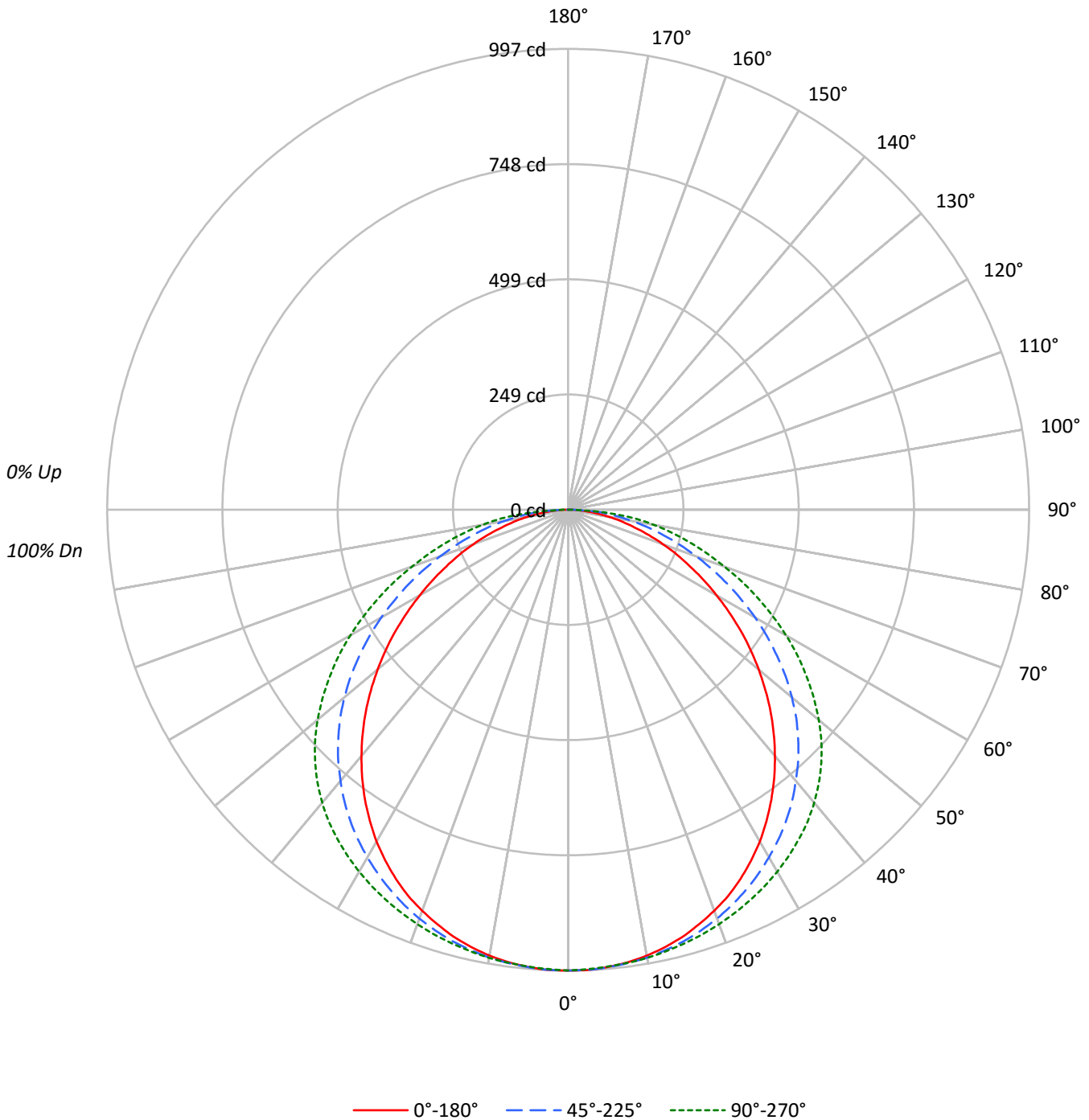
Lumens per Lamp: N/A
Luminaire Lumens: 2997.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.35 / 1.42
Luminous Opening: Rectangular (W 1.77' x L: 3.79' x H: 0')
CIE Type: Direct

Input Watts (W): 22.9
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°	1605	1605	1605
5°	1605	1606	1603
10°	1602	1609	1610
15°	1595	1611	1619
20°	1582	1613	1635
25°	1566	1614	1656
30°	1541	1615	1681
35°	1506	1615	1710
40°	1462	1610	1740
45°	1410	1602	1763
50°	1347	1582	1772
55°	1277	1548	1767
60°	1194	1503	1753
65°	1109	1448	1725
70°	1026	1386	1690
75°	924	1332	1686
80°	834	1302	1744
85°	732	1352	1733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	3.2
10°-20°	272.4	9.1
20°-30°	418.2	14.0
30°-40°	512.4	17.1
40°-50°	539.2	18.0
50°-60°	488.3	16.3
60°-70°	372.4	12.4
70°-80°	225.3	7.5
80°-90°	74.3	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°	785.1	26.2
0°-40°	1297.5	43.3
0°-60°	2325.0	77.6
0°-90°	2997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	993	990	994	994	992	94
15°	957	957	967	972	972	270
25°	882	885	909	928	932	406
35°	766	779	822	858	870	479
45°	619	641	704	757	774	477
55°	455	482	551	610	630	406
65°	291	319	380	433	453	290
75°	149	169	214	256	271	160
85°	40	48	73	89	94	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	997.0	997.0	997.0	997.0	997.0
2.5°	997.0	993.7	996.4	997.0	994.8
5°	993.1	990.5	993.7	994.3	992.1
7.5°	987.8	985.6	989.4	990.5	988.9
10°	979.6	978.6	984.0	986.1	984.5
12.5°	969.3	968.3	975.8	979.6	978.6
15°	956.8	956.8	966.6	972.1	971.5
17.5°	940.6	941.7	954.7	962.8	963.9
20°	923.3	925.4	941.2	952.0	954.1
22.5°	904.3	906.5	925.9	940.6	943.8
25°	881.5	885.3	908.6	927.5	931.9
27.5°	856.0	862.0	889.6	912.4	918.9
30°	828.9	837.0	868.5	896.2	904.3
32.5°	798.5	808.3	846.3	877.7	888.0
35°	766.0	779.1	821.9	858.2	870.1
37.5°	731.9	746.6	795.3	836.5	850.6
40°	695.5	713.9	766.0	812.6	827.8
42.5°	658.2	678.8	736.3	786.1	802.3
45°	619.2	641.4	703.6	756.9	774.2
47.5°	579.0	604.5	669.0	724.8	742.7
50°	537.8	564.3	631.6	689.1	707.5
52.5°	496.6	524.3	593.1	650.5	669.5
55°	454.9	482.5	551.4	609.9	629.5
57.5°	412.0	441.3	509.6	567.6	588.7
60°	370.8	400.1	466.8	522.7	544.3
62.5°	330.7	360.0	422.8	478.7	498.7
65°	291.1	318.8	380.0	433.2	452.7
67.5°	254.8	279.2	336.7	387.6	406.6
70°	217.9	240.7	294.4	342.0	358.9
72.5°	183.3	203.9	253.7	298.8	315.0
75°	148.6	168.6	214.2	255.8	271.1
77.5°	119.3	135.0	176.2	214.6	228.8
80°	90.0	103.6	140.4	175.1	188.1
82.5°	63.4	74.9	106.2	135.5	146.4
85°	39.6	48.3	73.2	89.4	93.8
87.5°	17.9	23.8	33.1	32.5	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)