

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: P302445

Luminaire Tested: **ZX-WO-55L930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-55L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297.4 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

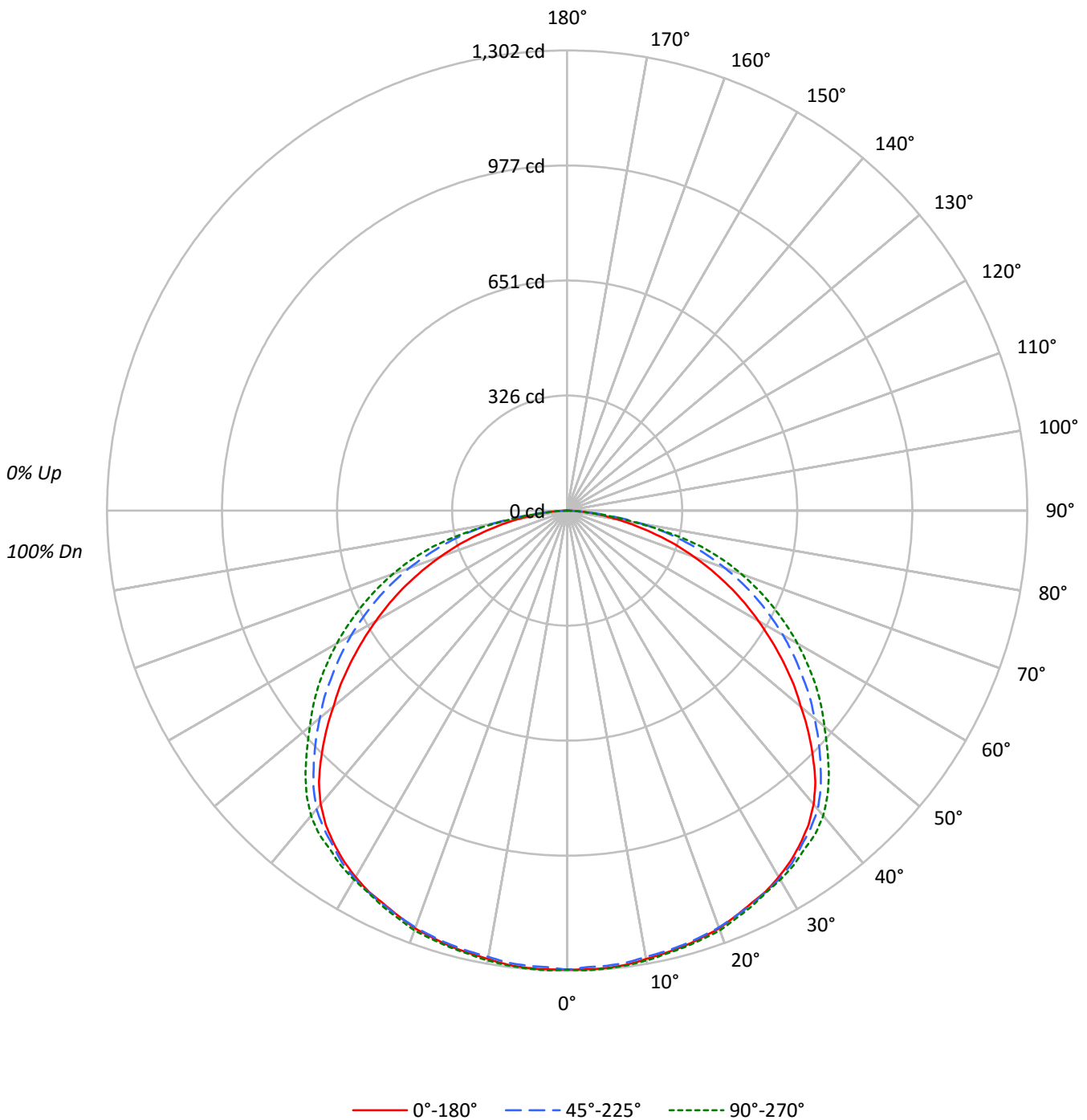
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1748	1748	1748
5°	1754	1746	1756
10°	1760	1752	1766
15°	1778	1771	1782
20°	1801	1797	1810
25°	1823	1827	1834
30°	1860	1867	1874
35°	1889	1899	1922
40°	1906	1938	1980
45°	1871	1929	1992
50°	1807	1912	1989
55°	1751	1901	2011
60°	1682	1899	2025
65°	1609	1889	2044
70°	1498	1869	2066
75°	1341	1822	2035
80°	1117	1681	1564
85°	843	983	820



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	2.9
10°-20°	361.0	8.4
20°-30°	569.4	13.2
30°-40°	726.9	16.9
40°-50°	783.0	18.2
50°-60°	721.4	16.8
60°-70°	577.0	13.4
70°-80°	354.2	8.2
80°-90°	80.8	1.9
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°	1054.0	24.5
0°-40°	1780.9	41.4
0°-60°	3285.4	76.5
0°-90°	4297.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4297.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1299	1299	1293	1300	1300	124
15°	1276	1278	1272	1279	1279	361
25°	1228	1229	1231	1237	1235	568
35°	1150	1153	1156	1168	1170	719
45°	983	994	1014	1040	1047	757
55°	747	766	810	847	857	667
65°	505	539	593	630	642	499
75°	258	299	350	382	392	275
85°	55	73	64	56	53	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.0	1299.0	1299.0	1299.0	1299.0
2.5°	1299.0	1300.5	1292.9	1300.5	1302.0
5°	1299.0	1299.0	1292.9	1300.5	1300.5
7.5°	1296.0	1296.0	1289.9	1297.5	1297.5
10°	1288.4	1288.4	1282.3	1289.9	1292.9
12.5°	1282.3	1282.3	1277.7	1285.3	1285.3
15°	1276.2	1277.7	1271.7	1279.3	1279.3
17.5°	1267.1	1267.1	1264.1	1270.2	1271.7
20°	1258.0	1258.0	1255.0	1262.6	1264.1
22.5°	1242.8	1244.4	1242.8	1248.9	1248.9
25°	1227.7	1229.2	1230.7	1236.8	1235.3
27.5°	1215.5	1217.0	1217.0	1223.1	1218.6
30°	1197.3	1201.9	1201.9	1204.9	1206.4
32.5°	1176.1	1182.1	1183.7	1189.7	1191.3
35°	1150.3	1153.3	1156.3	1168.5	1170.0
37.5°	1121.4	1129.0	1132.1	1148.8	1153.3
40°	1085.0	1094.1	1103.2	1124.5	1127.5
42.5°	1039.5	1050.1	1062.3	1085.0	1091.1
45°	983.4	994.0	1013.7	1039.5	1047.1
47.5°	925.7	937.8	965.1	992.5	998.5
50°	863.5	881.7	913.5	945.4	950.0
52.5°	807.3	825.5	865.0	898.4	906.0
55°	746.6	766.3	810.4	846.8	857.4
57.5°	685.9	711.7	758.8	795.2	805.8
60°	625.2	652.5	705.6	739.0	752.7
62.5°	566.0	596.4	649.5	687.4	698.1
65°	505.3	538.7	593.3	629.8	641.9
67.5°	443.1	478.0	535.7	572.1	584.2
70°	380.9	420.4	475.0	514.4	525.1
72.5°	321.7	358.1	412.8	447.7	461.3
75°	258.0	299.0	350.5	382.4	391.5
77.5°	200.3	239.8	285.3	305.0	302.0
80°	144.2	185.1	217.0	210.9	201.8
82.5°	97.1	130.5	135.1	126.0	122.9
85°	54.6	72.8	63.7	56.1	53.1
87.5°	22.8	19.7	10.6	4.6	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)