

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: P302455

Luminaire Tested: **ZX-WO-55L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302455
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-55L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

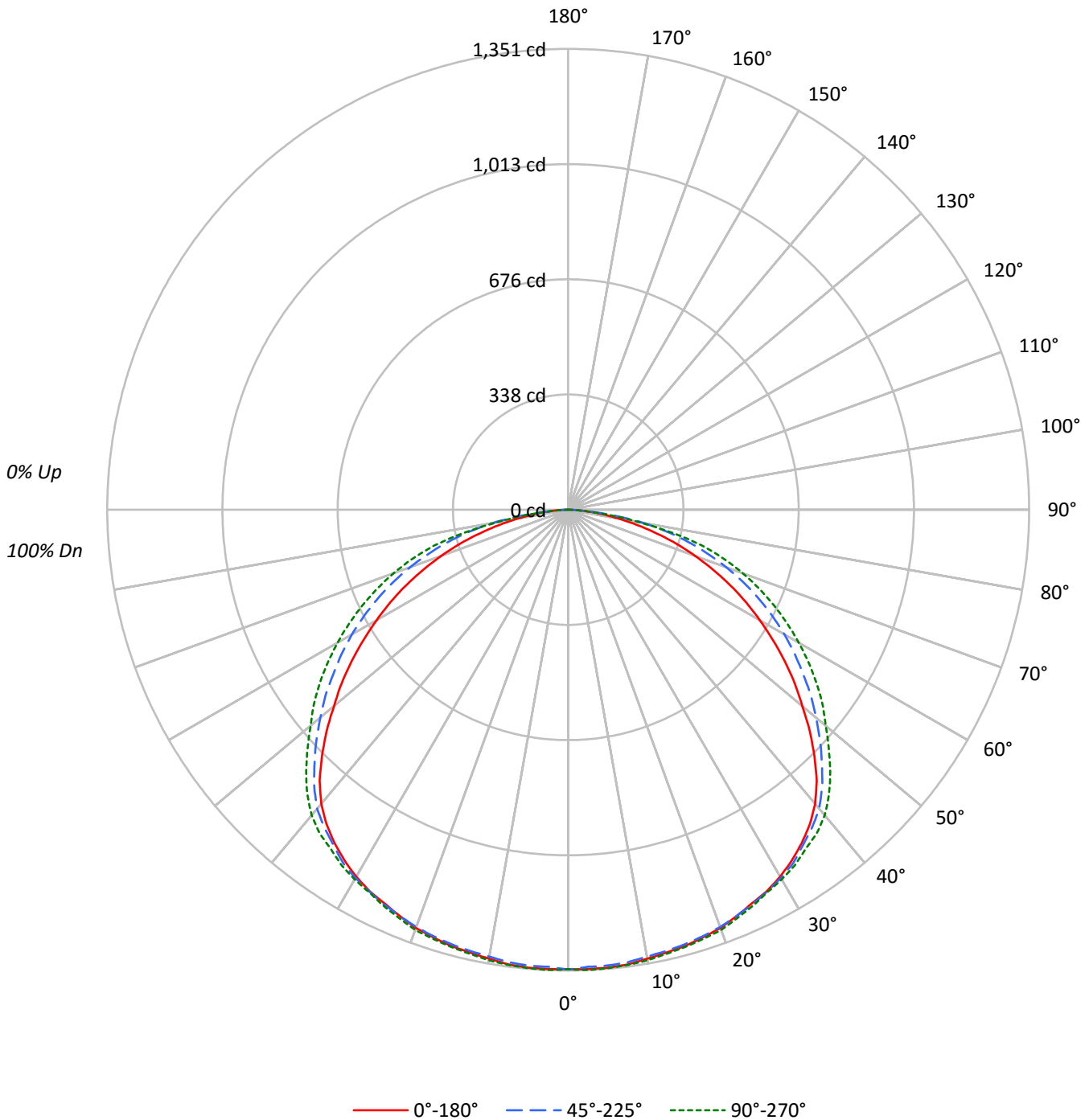
Lumens per Lamp: N/A
Luminaire Lumens: 4457.7 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1813	1813	1813
5°	1820	1811	1822
10°	1826	1817	1832
15°	1844	1837	1848
20°	1869	1864	1877
25°	1891	1895	1902
30°	1930	1937	1944
35°	1960	1970	1994
40°	1977	2010	2054
45°	1941	2001	2067
50°	1875	1984	2063
55°	1817	1972	2086
60°	1745	1970	2101
65°	1669	1960	2120
70°	1554	1938	2142
75°	1391	1890	2111
80°	1158	1744	1623
85°	875	1020	851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	2.9
10°-20°	374.5	8.4
20°-30°	590.6	13.2
30°-40°	754.0	16.9
40°-50°	812.2	18.2
50°-60°	748.4	16.8
60°-70°	598.6	13.4
70°-80°	367.4	8.2
80°-90°	83.8	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°	1093.3	24.5
0°-40°	1847.3	41.4
0°-60°	3407.9	76.5
0°-90°	4457.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4457.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1348	1348	1341	1349	1349	128
15°	1324	1325	1319	1327	1327	374
25°	1274	1275	1277	1283	1281	589
35°	1193	1196	1200	1212	1214	746
45°	1020	1031	1052	1078	1086	785
55°	774	795	841	878	889	692
65°	524	559	616	653	666	518
75°	268	310	364	397	406	285
85°	57	76	66	58	55	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1347.5	1347.5	1347.5	1347.5	1347.5
2.5°	1347.5	1349.0	1341.2	1349.0	1350.6
5°	1347.5	1347.5	1341.2	1349.0	1349.0
7.5°	1344.3	1344.3	1338.0	1345.9	1345.9
10°	1336.4	1336.4	1330.1	1338.0	1341.2
12.5°	1330.1	1330.1	1325.4	1333.3	1333.3
15°	1323.8	1325.4	1319.1	1327.0	1327.0
17.5°	1314.4	1314.4	1311.2	1317.5	1319.1
20°	1305.0	1305.0	1301.8	1309.7	1311.2
22.5°	1289.2	1290.8	1289.2	1295.5	1295.5
25°	1273.5	1275.0	1276.6	1282.9	1281.3
27.5°	1260.9	1262.4	1262.4	1268.7	1264.0
30°	1242.0	1246.7	1246.7	1249.9	1251.4
32.5°	1219.9	1226.2	1227.8	1234.1	1235.7
35°	1193.2	1196.3	1199.5	1212.1	1213.7
37.5°	1163.3	1171.2	1174.3	1191.6	1196.3
40°	1125.5	1134.9	1144.4	1166.4	1169.6
42.5°	1078.3	1089.3	1101.9	1125.5	1131.8
45°	1020.0	1031.1	1051.5	1078.3	1086.1
47.5°	960.2	972.8	1001.1	1029.5	1035.8
50°	895.7	914.6	947.6	980.7	985.4
52.5°	837.4	856.3	897.3	931.9	939.8
55°	774.5	794.9	840.6	878.4	889.4
57.5°	711.5	738.3	787.1	824.8	835.9
60°	648.5	676.9	732.0	766.6	780.8
62.5°	587.1	618.6	673.7	713.1	724.1
65°	524.2	558.8	615.5	653.3	665.9
67.5°	459.6	495.9	555.7	593.4	606.0
70°	395.1	436.0	492.7	533.6	544.6
72.5°	333.7	371.5	428.2	464.4	478.5
75°	267.6	310.1	363.6	396.7	406.1
77.5°	207.8	248.7	295.9	316.4	313.3
80°	149.5	192.0	225.1	218.8	209.4
82.5°	100.7	135.4	140.1	130.7	127.5
85°	56.7	75.6	66.1	58.2	55.1
87.5°	23.6	20.5	11.0	4.7	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)