

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: P302465

Luminaire Tested: **ZX-WO-55L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302465
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-55L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

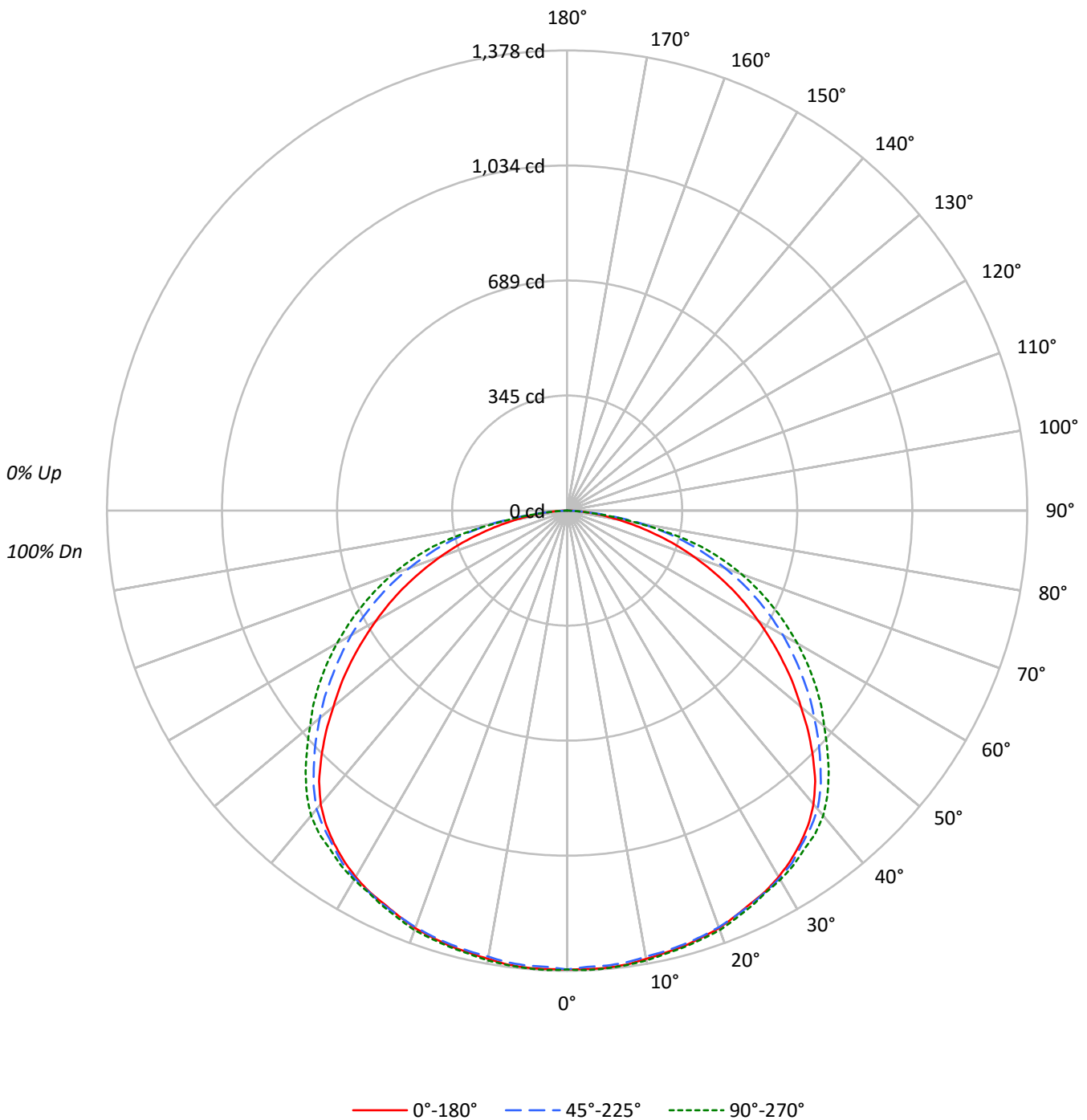
Lumens per Lamp: N/A
Luminaire Lumens: 4546.3 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1849	1849	1849
5°	1856	1847	1858
10°	1862	1853	1869
15°	1881	1874	1885
20°	1906	1901	1915
25°	1928	1933	1940
30°	1968	1975	1983
35°	1999	2009	2033
40°	2016	2050	2095
45°	1979	2041	2108
50°	1912	2023	2104
55°	1853	2011	2128
60°	1780	2009	2143
65°	1702	1998	2162
70°	1585	1977	2185
75°	1419	1928	2153
80°	1182	1779	1654
85°	892	1041	868



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	2.9
10°-20°	381.9	8.4
20°-30°	602.4	13.2
30°-40°	769.0	16.9
40°-50°	828.4	18.2
50°-60°	763.2	16.8
60°-70°	610.5	13.4
70°-80°	374.7	8.2
80°-90°	85.5	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°	1115.0	24.5
0°-40°	1884.0	41.4
0°-60°	3475.7	76.5
0°-90°	4546.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4546.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1374	1374	1368	1376	1376	131
15°	1350	1352	1345	1353	1353	382
25°	1299	1300	1302	1308	1307	601
35°	1217	1220	1223	1236	1238	761
45°	1040	1052	1072	1100	1108	801
55°	790	811	857	896	907	706
65°	535	570	628	666	679	528
75°	273	316	371	405	414	291
85°	58	77	67	59	56	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.2	1374.2	1374.2	1374.2	1374.2
2.5°	1374.2	1375.8	1367.8	1375.8	1377.5
5°	1374.2	1374.2	1367.8	1375.8	1375.8
7.5°	1371.0	1371.0	1364.6	1372.6	1372.6
10°	1363.0	1363.0	1356.6	1364.6	1367.8
12.5°	1356.6	1356.6	1351.8	1359.8	1359.8
15°	1350.2	1351.8	1345.3	1353.4	1353.4
17.5°	1340.5	1340.5	1337.3	1343.7	1345.3
20°	1330.9	1330.9	1327.7	1335.7	1337.3
22.5°	1314.8	1316.4	1314.8	1321.3	1321.3
25°	1298.8	1300.4	1302.0	1308.4	1306.8
27.5°	1285.9	1287.5	1287.5	1294.0	1289.2
30°	1266.7	1271.5	1271.5	1274.7	1276.3
32.5°	1244.2	1250.6	1252.2	1258.7	1260.3
35°	1216.9	1220.1	1223.3	1236.2	1237.8
37.5°	1186.4	1194.4	1197.6	1215.3	1220.1
40°	1147.9	1157.5	1167.1	1189.6	1192.8
42.5°	1099.7	1111.0	1123.8	1147.9	1154.3
45°	1040.3	1051.6	1072.4	1099.7	1107.7
47.5°	979.3	992.2	1021.0	1049.9	1056.4
50°	913.5	932.8	966.5	1000.2	1005.0
52.5°	854.1	873.3	915.1	950.4	958.4
55°	789.9	810.7	857.3	895.8	907.1
57.5°	725.7	752.9	802.7	841.2	852.5
60°	661.4	690.3	746.5	781.8	796.3
62.5°	598.8	630.9	687.1	727.3	738.5
65°	534.6	569.9	627.7	666.3	679.1
67.5°	468.8	505.7	566.7	605.2	618.1
70°	403.0	444.7	502.5	544.2	555.5
72.5°	340.3	378.9	436.7	473.6	488.0
75°	272.9	316.3	370.9	404.6	414.2
77.5°	211.9	253.7	301.8	322.7	319.5
80°	152.5	195.9	229.6	223.2	213.5
82.5°	102.7	138.1	142.9	133.3	130.0
85°	57.8	77.1	67.4	59.4	56.2
87.5°	24.1	20.9	11.2	4.8	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)