

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: P302406

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-55L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

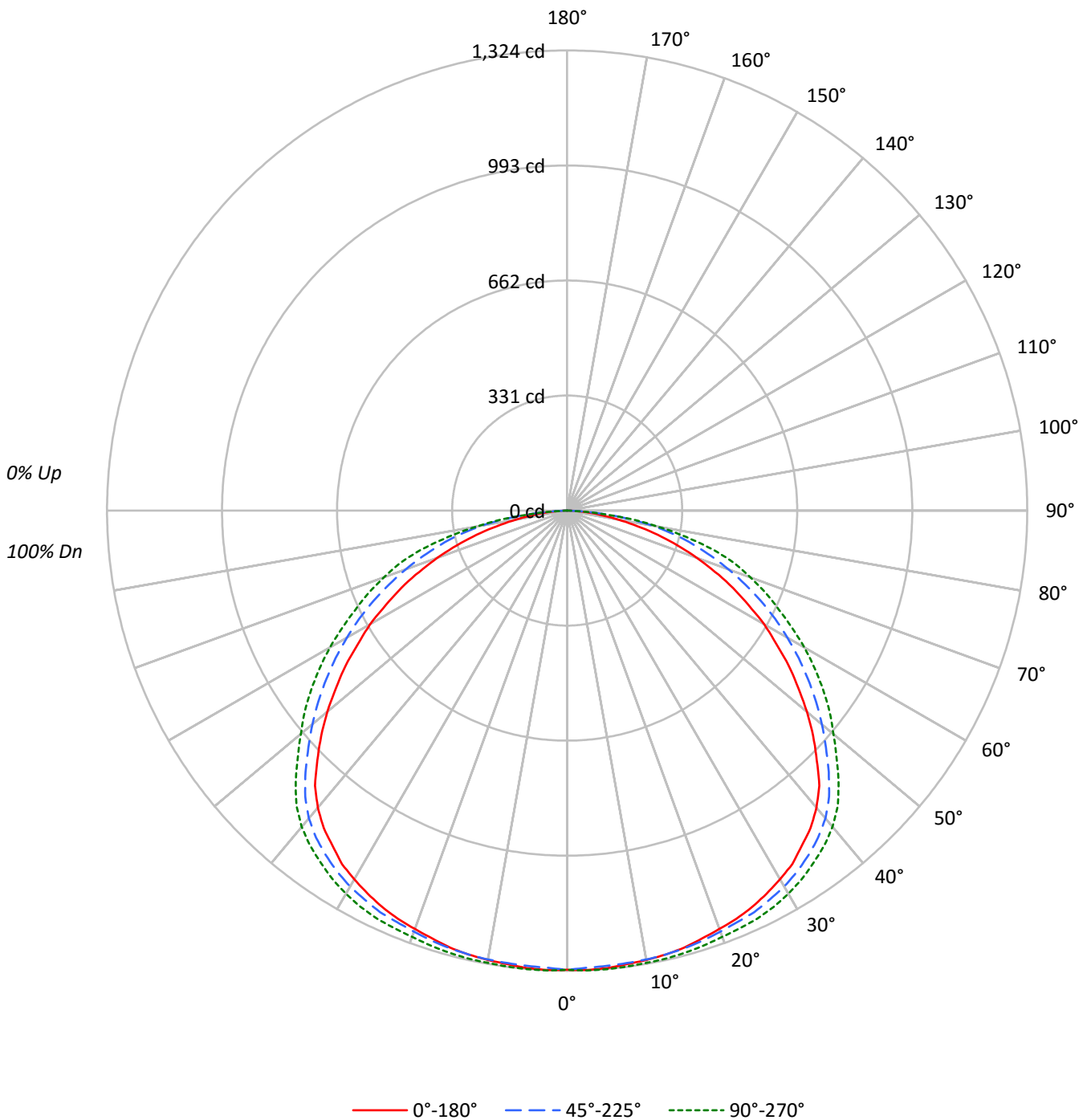
Lumens per Lamp: N/A
Luminaire Lumens: 4499.3 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	98	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44		55	49	43		54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		41	35	30		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	26		37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24		35	29	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1778	1778	1778
5°	1785	1776	1789
10°	1794	1792	1805
15°	1814	1816	1834
20°	1834	1846	1869
25°	1869	1892	1923
30°	1903	1940	1978
35°	1933	1988	2031
40°	1960	2030	2087
45°	1934	2025	2102
50°	1885	2003	2094
55°	1826	1985	2109
60°	1763	1970	2121
65°	1677	1958	2137
70°	1560	1945	2204
75°	1402	1953	2262
80°	1157	1928	2065
85°	843	1437	1338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	2.8
10°-20°	370.0	8.2
20°-30°	589.3	13.1
30°-40°	757.5	16.8
40°-50°	819.1	18.2
50°-60°	753.5	16.7
60°-70°	600.7	13.4
70°-80°	381.6	8.5
80°-90°	101.7	2.3
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°	1085.1	24.1
0°-40°	1842.6	41.0
0°-60°	3415.3	75.9
0°-90°	4499.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4499.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1321	1321	1321	1321	1321	
5°	1321	1321	1315	1323	1324	126
15°	1302	1304	1304	1315	1316	368
25°	1259	1264	1275	1289	1296	581
35°	1177	1190	1210	1233	1236	737
45°	1016	1034	1064	1093	1104	783
55°	779	801	846	885	899	695
65°	527	554	615	660	671	520
75°	270	308	376	425	435	285
85°	55	85	93	93	87	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1321.3	1321.3	1321.3	1321.3	1321.3
2.5°	1322.9	1322.9	1316.4	1324.5	1324.5
5°	1321.3	1321.3	1314.8	1322.9	1324.5
7.5°	1316.4	1318.1	1313.2	1321.3	1322.9
10°	1313.2	1314.8	1311.6	1319.7	1321.3
12.5°	1308.4	1310.0	1308.4	1318.1	1319.7
15°	1302.0	1303.6	1303.6	1314.8	1316.4
17.5°	1290.8	1294.0	1297.2	1310.0	1311.6
20°	1281.1	1284.3	1289.2	1303.6	1305.2
22.5°	1271.5	1274.7	1281.1	1298.8	1300.4
25°	1258.7	1263.5	1274.7	1289.2	1295.6
27.5°	1242.6	1252.2	1261.9	1279.5	1285.9
30°	1224.9	1234.6	1249.0	1268.3	1273.1
32.5°	1205.7	1215.3	1231.4	1252.2	1257.0
35°	1176.8	1189.6	1210.5	1233.0	1236.2
37.5°	1151.1	1163.9	1186.4	1210.5	1215.3
40°	1115.8	1131.8	1155.9	1178.4	1188.0
42.5°	1074.0	1090.1	1115.8	1143.1	1152.7
45°	1016.2	1033.9	1064.4	1093.3	1104.5
47.5°	960.0	976.1	1009.8	1043.5	1051.6
50°	900.6	919.9	956.8	992.2	1000.2
52.5°	838.0	862.1	902.2	939.2	952.0
55°	778.6	801.1	846.1	884.6	899.0
57.5°	712.8	740.1	789.9	831.6	844.5
60°	655.0	679.1	732.1	775.4	788.3
62.5°	587.6	616.5	674.3	717.6	728.9
65°	526.6	553.9	614.9	659.8	671.1
67.5°	460.8	492.9	553.9	600.4	618.1
70°	396.5	430.3	494.5	542.6	560.3
72.5°	332.3	369.2	433.5	483.2	505.7
75°	269.7	308.2	375.7	425.4	435.1
77.5°	207.1	250.4	314.7	350.0	350.0
80°	149.3	192.7	248.8	258.5	266.5
82.5°	99.5	139.7	170.2	179.8	181.4
85°	54.6	85.1	93.1	93.1	86.7
87.5°	20.9	27.3	19.3	9.6	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)