

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: P302407

Luminaire Tested: **RX-WO-60L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302407
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-60L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4860.4 lumens
Efficiency: N/A
Efficacy: 110.2 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

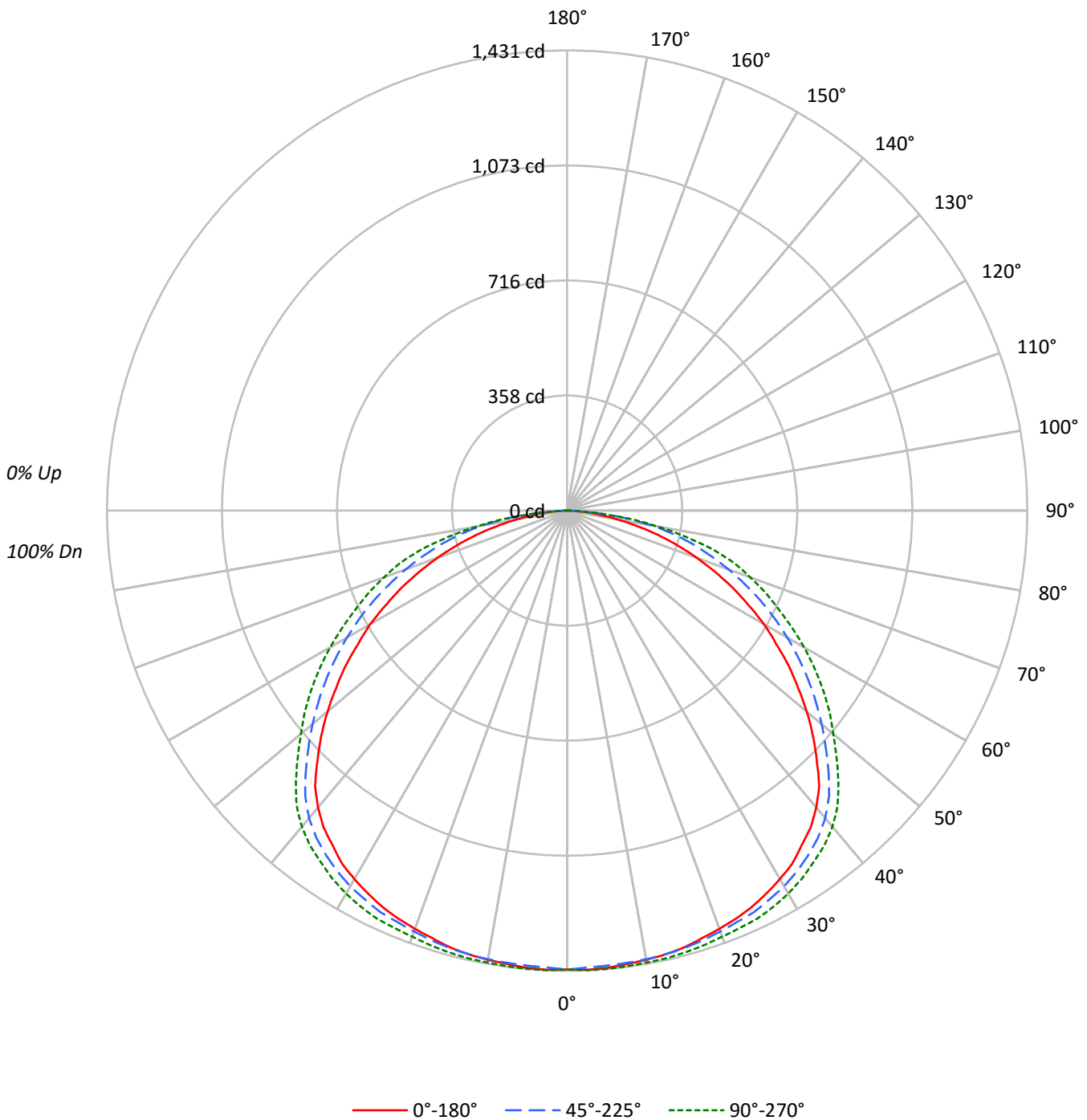
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1920	1920	1920
5°	1928	1918	1932
10°	1938	1936	1950
15°	1959	1962	1981
20°	1982	1994	2019
25°	2019	2044	2078
30°	2056	2096	2137
35°	2088	2148	2193
40°	2117	2193	2254
45°	2089	2188	2270
50°	2036	2164	2262
55°	1973	2144	2278
60°	1904	2128	2291
65°	1811	2115	2308
70°	1685	2102	2381
75°	1515	2110	2443
80°	1250	2083	2231
85°	911	1553	1447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	2.8
10°-20°	399.6	8.2
20°-30°	636.5	13.1
30°-40°	818.3	16.8
40°-50°	884.9	18.2
50°-60°	814.0	16.7
60°-70°	648.9	13.4
70°-80°	412.3	8.5
80°-90°	109.8	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°	1172.2	24.1
0°-40°	1990.5	41.0
0°-60°	3689.4	75.9
0°-90°	4860.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4860.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1427	1427	1427	1427	1427	
5°	1427	1427	1420	1429	1431	136
15°	1406	1408	1408	1420	1422	397
25°	1360	1365	1377	1393	1400	627
35°	1271	1285	1308	1332	1335	797
45°	1098	1117	1150	1181	1193	846
55°	841	865	914	956	971	751
65°	569	598	664	713	725	561
75°	291	333	406	460	470	308
85°	59	92	101	101	94	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1427.3	1427.3	1427.3	1427.3	1427.3
2.5°	1429.0	1429.0	1422.1	1430.8	1430.8
5°	1427.3	1427.3	1420.4	1429.0	1430.8
7.5°	1422.1	1423.8	1418.6	1427.3	1429.0
10°	1418.6	1420.4	1416.9	1425.6	1427.3
12.5°	1413.4	1415.2	1413.4	1423.8	1425.6
15°	1406.5	1408.2	1408.2	1420.4	1422.1
17.5°	1394.4	1397.8	1401.3	1415.2	1416.9
20°	1383.9	1387.4	1392.6	1408.2	1410.0
22.5°	1373.5	1377.0	1383.9	1403.0	1404.8
25°	1359.7	1364.9	1377.0	1392.6	1399.6
27.5°	1342.3	1352.7	1363.1	1382.2	1389.2
30°	1323.2	1333.7	1349.3	1370.1	1375.3
32.5°	1302.4	1312.8	1330.2	1352.7	1357.9
35°	1271.2	1285.1	1307.6	1331.9	1335.4
37.5°	1243.5	1257.3	1281.6	1307.6	1312.8
40°	1205.3	1222.7	1248.7	1273.0	1283.4
42.5°	1160.2	1177.6	1205.3	1234.8	1245.2
45°	1097.8	1116.9	1149.8	1181.0	1193.2
47.5°	1037.1	1054.4	1090.9	1127.3	1135.9
50°	972.9	993.7	1033.6	1071.8	1080.5
52.5°	905.3	931.3	974.7	1014.5	1028.4
55°	841.1	865.4	914.0	955.6	971.2
57.5°	770.0	799.5	853.3	898.4	912.2
60°	707.6	733.6	790.8	837.7	851.5
62.5°	634.7	666.0	728.4	775.2	787.4
65°	568.8	598.3	664.2	712.8	724.9
67.5°	497.7	532.4	598.3	648.6	667.7
70°	428.4	464.8	534.2	586.2	605.3
72.5°	359.0	398.9	468.3	522.0	546.3
75°	291.4	333.0	405.8	459.6	470.0
77.5°	223.7	270.5	339.9	378.1	378.1
80°	161.3	208.1	268.8	279.2	287.9
82.5°	107.5	150.9	183.8	194.2	196.0
85°	59.0	91.9	100.6	100.6	93.7
87.5°	22.5	29.5	20.8	10.4	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)