

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: P302466

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302466
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-60L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4911.2 lumens
Efficiency: N/A
Efficacy: 111.4 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

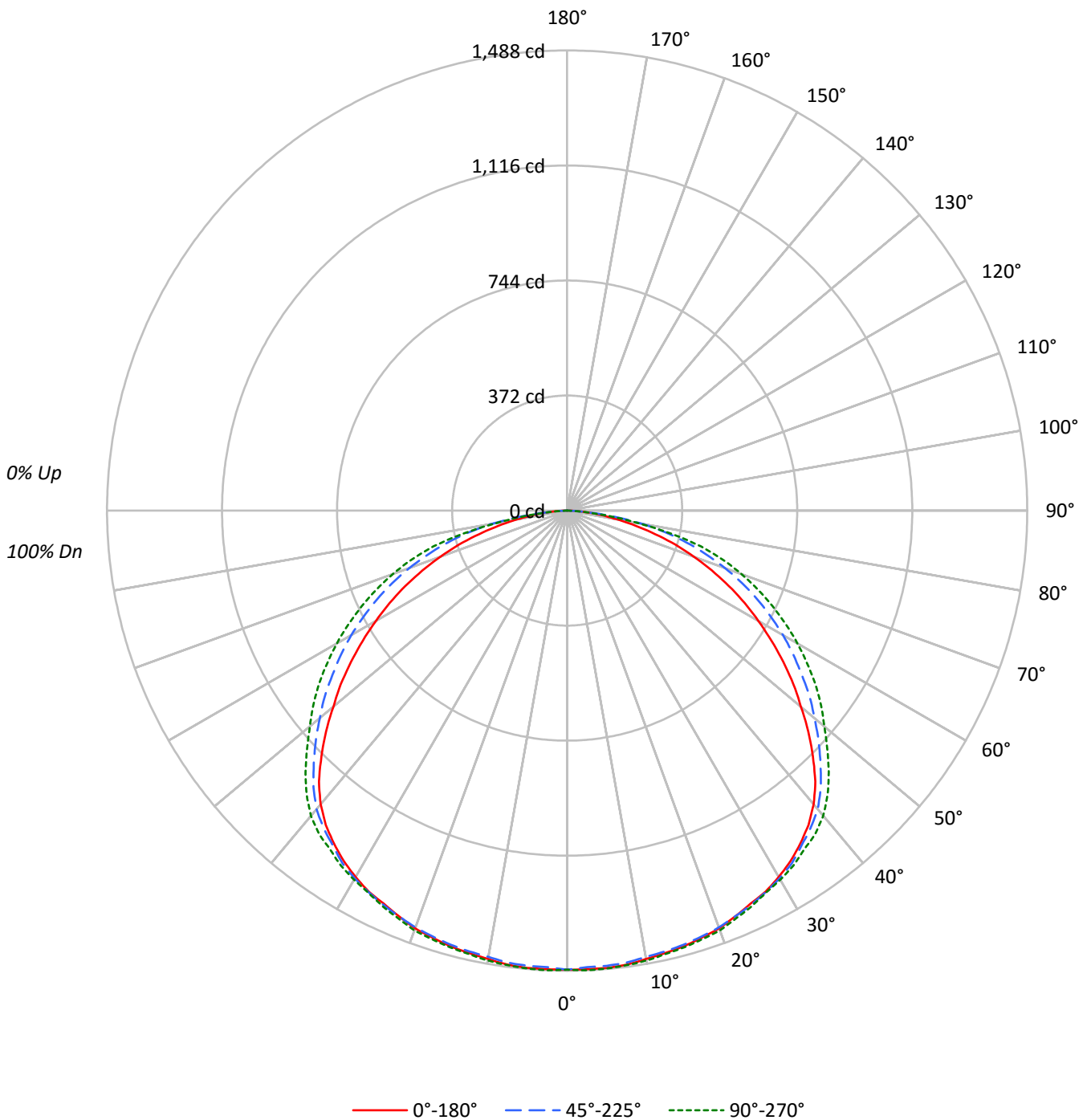
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1997	1997	1997
5°	2005	1996	2007
10°	2012	2002	2019
15°	2032	2024	2036
20°	2059	2054	2068
25°	2083	2088	2096
30°	2126	2134	2142
35°	2159	2171	2196
40°	2178	2214	2263
45°	2138	2204	2277
50°	2066	2185	2273
55°	2002	2172	2299
60°	1923	2170	2315
65°	1839	2159	2336
70°	1712	2135	2361
75°	1533	2083	2326
80°	1277	1922	1788
85°	963	1124	937



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	2.9
10°-20°	412.6	8.4
20°-30°	650.7	13.2
30°-40°	830.7	16.9
40°-50°	894.9	18.2
50°-60°	824.5	16.8
60°-70°	659.5	13.4
70°-80°	404.8	8.2
80°-90°	92.3	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°	1204.5	24.5
0°-40°	2035.3	41.4
0°-60°	3754.6	76.5
0°-90°	4911.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4911.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1484	1484	1478	1486	1486	141
15°	1458	1460	1453	1462	1462	412
25°	1403	1405	1406	1413	1412	649
35°	1315	1318	1322	1335	1337	822
45°	1124	1136	1158	1188	1197	865
55°	853	876	926	968	980	763
65°	578	616	678	720	734	570
75°	295	342	401	437	447	314
85°	62	83	73	64	61	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1484.5	1484.5	1484.5	1484.5	1484.5
2.5°	1484.5	1486.3	1477.6	1486.3	1488.0
5°	1484.5	1484.5	1477.6	1486.3	1486.3
7.5°	1481.1	1481.1	1474.1	1482.8	1482.8
10°	1472.4	1472.4	1465.5	1474.1	1477.6
12.5°	1465.5	1465.5	1460.3	1468.9	1468.9
15°	1458.5	1460.3	1453.3	1462.0	1462.0
17.5°	1448.1	1448.1	1444.6	1451.6	1453.3
20°	1437.7	1437.7	1434.2	1442.9	1444.6
22.5°	1420.4	1422.1	1420.4	1427.3	1427.3
25°	1403.0	1404.8	1406.5	1413.4	1411.7
27.5°	1389.2	1390.9	1390.9	1397.8	1392.6
30°	1368.3	1373.5	1373.5	1377.0	1378.7
32.5°	1344.1	1351.0	1352.7	1359.7	1361.4
35°	1314.6	1318.0	1321.5	1335.4	1337.1
37.5°	1281.6	1290.3	1293.8	1312.8	1318.0
40°	1240.0	1250.4	1260.8	1285.1	1288.6
42.5°	1188.0	1200.1	1214.0	1240.0	1246.9
45°	1123.8	1135.9	1158.5	1188.0	1196.6
47.5°	1057.9	1071.8	1103.0	1134.2	1141.2
50°	986.8	1007.6	1044.0	1080.5	1085.7
52.5°	922.6	943.4	988.5	1026.7	1035.4
55°	853.3	875.8	926.1	967.7	979.9
57.5°	783.9	813.4	867.1	908.8	920.9
60°	714.5	745.7	806.4	844.6	860.2
62.5°	646.9	681.6	742.3	785.6	797.8
65°	577.5	615.7	678.1	719.7	733.6
67.5°	506.4	546.3	612.2	653.8	667.7
70°	435.3	480.4	542.8	587.9	600.1
72.5°	367.7	409.3	471.7	511.6	527.2
75°	294.8	341.7	400.6	437.0	447.4
77.5°	228.9	274.0	326.0	348.6	345.1
80°	164.8	211.6	248.0	241.1	230.7
82.5°	111.0	149.1	154.4	143.9	140.5
85°	62.4	83.2	72.8	64.2	60.7
87.5°	26.0	22.5	12.1	5.2	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)