

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: P302456

Luminaire Tested: **ZX-WO-60L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302456
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-60L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4815.5 lumens
Efficiency: N/A
Efficacy: 109.2 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

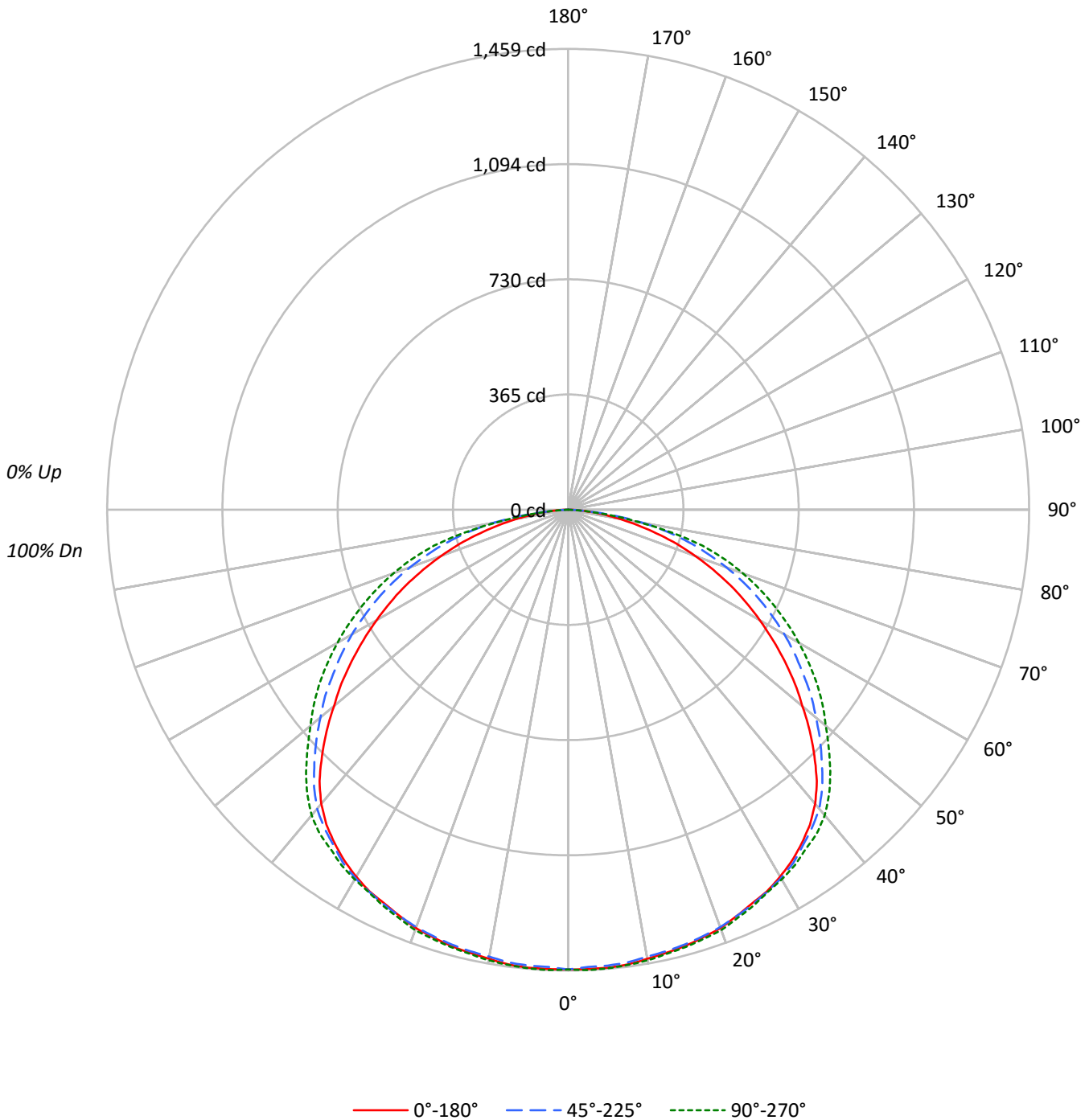
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1958	1958	1958
5°	1966	1957	1968
10°	1972	1963	1979
15°	1992	1985	1997
20°	2018	2014	2028
25°	2042	2047	2055
30°	2085	2092	2100
35°	2117	2128	2154
40°	2135	2171	2219
45°	2097	2161	2233
50°	2025	2143	2228
55°	1962	2130	2254
60°	1885	2128	2270
65°	1803	2117	2290
70°	1679	2094	2315
75°	1503	2042	2281
80°	1251	1884	1753
85°	945	1102	919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	2.9
10°-20°	404.5	8.4
20°-30°	638.0	13.2
30°-40°	814.6	16.9
40°-50°	877.4	18.2
50°-60°	808.4	16.8
60°-70°	646.6	13.4
70°-80°	396.9	8.2
80°-90°	90.5	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°	1181.1	24.5
0°-40°	1995.6	41.4
0°-60°	3681.5	76.5
0°-90°	4815.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4815.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1456	1456	1456	1456	1456	
5°	1456	1456	1449	1457	1457	139
15°	1430	1432	1425	1434	1434	404
25°	1376	1377	1379	1386	1384	636
35°	1289	1292	1296	1309	1311	806
45°	1102	1114	1136	1165	1173	848
55°	837	859	908	949	961	748
65°	566	604	665	706	719	559
75°	289	335	393	428	439	308
85°	61	82	71	63	60	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1455.6	1455.6	1455.6	1455.6	1455.6
2.5°	1455.6	1457.3	1448.8	1457.3	1459.0
5°	1455.6	1455.6	1448.8	1457.3	1457.3
7.5°	1452.2	1452.2	1445.4	1453.9	1453.9
10°	1443.7	1443.7	1436.9	1445.4	1448.8
12.5°	1436.9	1436.9	1431.8	1440.3	1440.3
15°	1430.1	1431.8	1425.0	1433.5	1433.5
17.5°	1419.9	1419.9	1416.5	1423.3	1425.0
20°	1409.7	1409.7	1406.3	1414.8	1416.5
22.5°	1392.7	1394.4	1392.7	1399.5	1399.5
25°	1375.7	1377.4	1379.1	1385.9	1384.2
27.5°	1362.1	1363.8	1363.8	1370.6	1365.5
30°	1341.7	1346.8	1346.8	1350.2	1351.9
32.5°	1317.9	1324.7	1326.4	1333.2	1334.9
35°	1289.0	1292.4	1295.8	1309.4	1311.1
37.5°	1256.6	1265.1	1268.5	1287.3	1292.4
40°	1215.8	1226.0	1236.2	1260.0	1263.4
42.5°	1164.8	1176.7	1190.3	1215.8	1222.6
45°	1101.9	1113.8	1135.9	1164.8	1173.3
47.5°	1037.3	1050.9	1081.5	1112.1	1118.9
50°	967.6	988.0	1023.7	1059.4	1064.5
52.5°	904.6	925.1	969.3	1006.7	1015.2
55°	836.6	858.7	908.0	948.9	960.8
57.5°	768.6	797.5	850.2	891.0	902.9
60°	700.6	731.2	790.7	828.1	843.4
62.5°	634.3	668.3	727.8	770.3	782.2
65°	566.3	603.7	664.9	705.7	719.3
67.5°	496.5	535.6	600.3	641.1	654.7
70°	426.8	471.0	532.2	576.5	588.4
72.5°	360.5	401.3	462.5	501.6	516.9
75°	289.1	335.0	392.8	428.5	438.7
77.5°	224.5	268.7	319.7	341.8	338.4
80°	161.5	207.5	243.2	236.4	226.2
82.5°	108.8	146.2	151.3	141.1	137.7
85°	61.2	81.6	71.4	62.9	59.5
87.5°	25.5	22.1	11.9	5.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)