

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: P302397

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302397
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-60L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

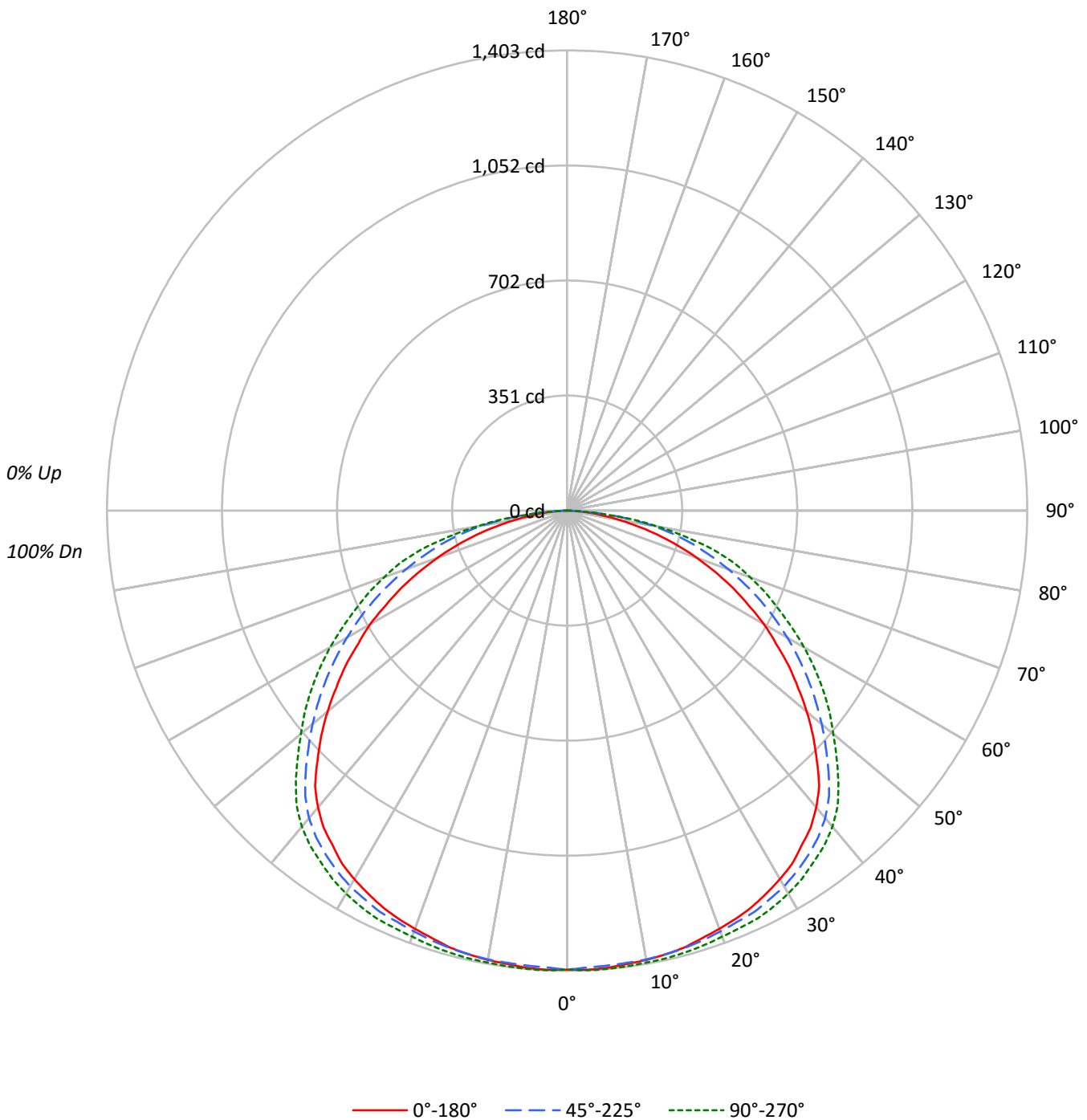
Lumens per Lamp: N/A
Luminaire Lumens: 4765.7 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1883	1883	1883
5°	1890	1881	1895
10°	1900	1898	1912
15°	1921	1923	1942
20°	1943	1955	1980
25°	1979	2004	2037
30°	2016	2055	2095
35°	2047	2106	2151
40°	2076	2150	2210
45°	2048	2145	2226
50°	1997	2121	2218
55°	1935	2102	2234
60°	1867	2087	2247
65°	1776	2074	2263
70°	1652	2060	2335
75°	1485	2069	2396
80°	1225	2042	2187
85°	892	1522	1417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	2.8
10°-20°	391.9	8.2
20°-30°	624.2	13.1
30°-40°	802.4	16.8
40°-50°	867.6	18.2
50°-60°	798.1	16.7
60°-70°	636.3	13.4
70°-80°	404.2	8.5
80°-90°	107.7	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°	1149.4	24.1
0°-40°	1951.7	41.0
0°-60°	3617.5	75.9
0°-90°	4765.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4765.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1400	1400	1393	1401	1403	133
15°	1379	1381	1381	1393	1394	390
25°	1333	1338	1350	1366	1372	615
35°	1246	1260	1282	1306	1309	781
45°	1076	1095	1127	1158	1170	830
55°	825	848	896	937	952	736
65°	558	587	651	699	711	550
75°	286	326	398	451	461	302
85°	58	90	99	99	92	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1399.5	1399.5	1399.5	1399.5	1399.5
2.5°	1401.2	1401.2	1394.4	1402.9	1402.9
5°	1399.5	1399.5	1392.7	1401.2	1402.9
7.5°	1394.4	1396.1	1391.0	1399.5	1401.2
10°	1391.0	1392.7	1389.3	1397.8	1399.5
12.5°	1385.9	1387.6	1385.9	1396.1	1397.8
15°	1379.1	1380.8	1380.8	1392.7	1394.4
17.5°	1367.2	1370.6	1374.0	1387.6	1389.3
20°	1357.0	1360.4	1365.5	1380.8	1382.5
22.5°	1346.8	1350.2	1357.0	1375.7	1377.4
25°	1333.2	1338.3	1350.2	1365.5	1372.3
27.5°	1316.2	1326.4	1336.6	1355.3	1362.1
30°	1297.5	1307.7	1323.0	1343.4	1348.5
32.5°	1277.0	1287.3	1304.3	1326.4	1331.5
35°	1246.4	1260.0	1282.1	1306.0	1309.4
37.5°	1219.2	1232.8	1256.6	1282.1	1287.3
40°	1181.8	1198.8	1224.3	1248.1	1258.3
42.5°	1137.6	1154.6	1181.8	1210.7	1220.9
45°	1076.4	1095.1	1127.4	1158.0	1169.9
47.5°	1016.9	1033.9	1069.6	1105.3	1113.8
50°	954.0	974.4	1013.5	1050.9	1059.4
52.5°	887.6	913.1	955.7	994.8	1008.4
55°	824.7	848.5	896.1	937.0	952.3
57.5°	755.0	783.9	836.6	880.8	894.4
60°	693.8	719.3	775.4	821.3	834.9
62.5°	622.4	653.0	714.2	760.1	772.0
65°	557.8	586.7	651.3	698.9	710.8
67.5°	488.0	522.0	586.7	636.0	654.7
70°	420.0	455.7	523.7	574.8	593.5
72.5°	352.0	391.1	459.1	511.8	535.6
75°	285.7	326.5	397.9	450.6	460.8
77.5°	219.4	265.3	333.3	370.7	370.7
80°	158.1	204.1	263.6	273.8	282.3
82.5°	105.4	147.9	180.2	190.5	192.2
85°	57.8	90.1	98.6	98.6	91.8
87.5°	22.1	28.9	20.4	10.2	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)