

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: P302387

Luminaire Tested: **RX-WO-60L930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302387
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-60L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

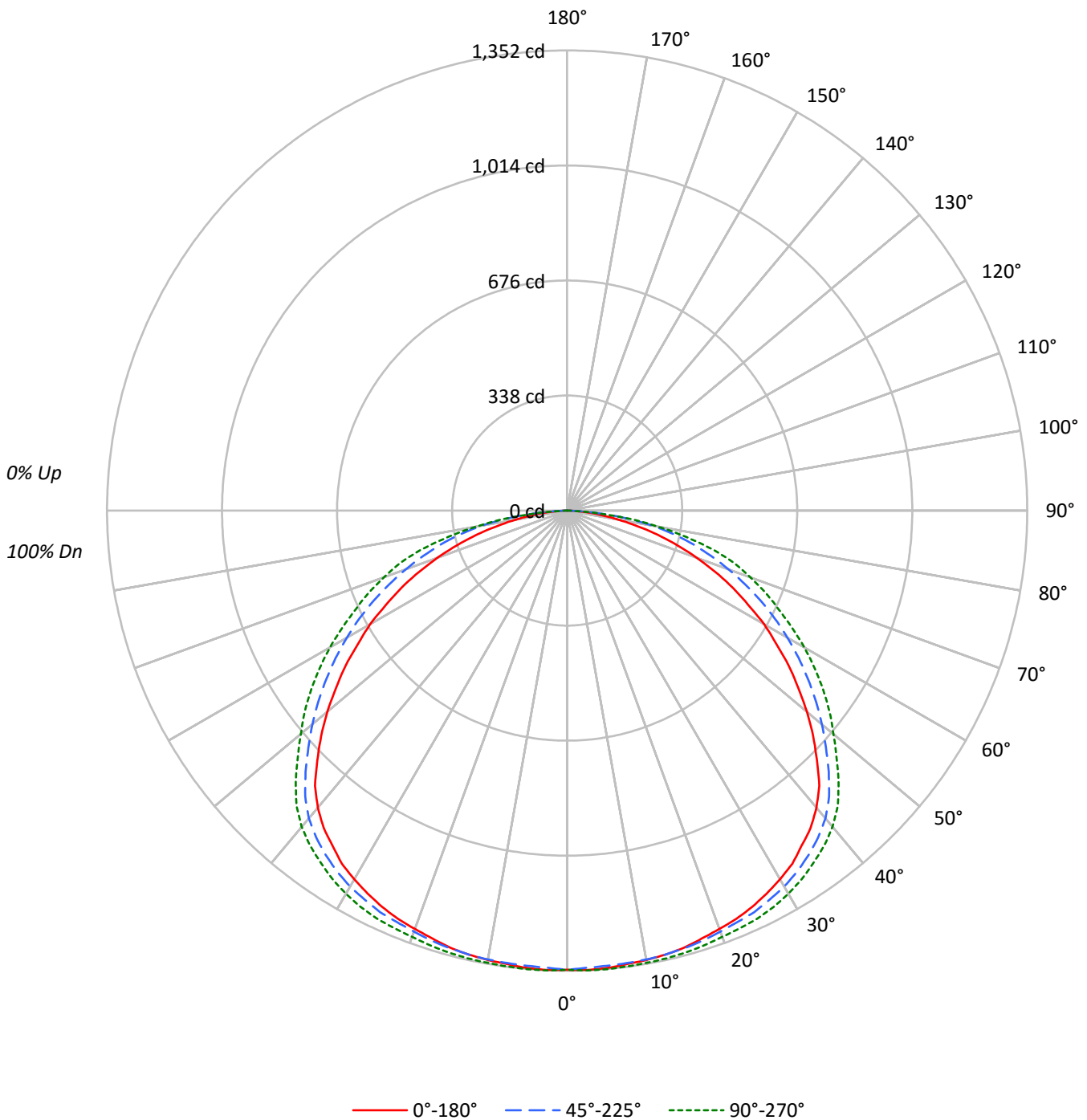
Lumens per Lamp: N/A
Luminaire Lumens: 4594.3 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1815	1815	1815
5°	1822	1813	1827
10°	1832	1830	1843
15°	1852	1854	1872
20°	1873	1885	1908
25°	1908	1932	1964
30°	1943	1982	2020
35°	1974	2030	2073
40°	2001	2073	2131
45°	1975	2068	2146
50°	1925	2045	2138
55°	1865	2027	2153
60°	1800	2012	2166
65°	1712	1999	2181
70°	1593	1986	2251
75°	1432	1994	2310
80°	1182	1969	2108
85°	860	1468	1366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	2.8
10°-20°	377.8	8.2
20°-30°	601.7	13.1
30°-40°	773.5	16.8
40°-50°	836.4	18.2
50°-60°	769.4	16.7
60°-70°	613.4	13.4
70°-80°	389.7	8.5
80°-90°	103.8	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°	1108.0	24.1
0°-40°	1881.5	41.0
0°-60°	3487.4	75.9
0°-90°	4594.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4594.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1349	1349	1343	1351	1352	128
15°	1330	1331	1331	1343	1344	376
25°	1285	1290	1302	1316	1323	593
35°	1202	1215	1236	1259	1262	753
45°	1038	1056	1087	1116	1128	800
55°	795	818	864	903	918	709
65°	538	566	628	674	685	531
75°	275	315	384	434	444	291
85°	56	87	95	95	88	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1349.2	1349.2	1349.2	1349.2	1349.2
2.5°	1350.8	1350.8	1344.2	1352.4	1352.4
5°	1349.2	1349.2	1342.6	1350.8	1352.4
7.5°	1344.2	1345.9	1341.0	1349.2	1350.8
10°	1341.0	1342.6	1339.3	1347.5	1349.2
12.5°	1336.0	1337.7	1336.0	1345.9	1347.5
15°	1329.5	1331.1	1331.1	1342.6	1344.2
17.5°	1318.0	1321.3	1324.6	1337.7	1339.3
20°	1308.2	1311.4	1316.4	1331.1	1332.8
22.5°	1298.3	1301.6	1308.2	1326.2	1327.8
25°	1285.2	1290.1	1301.6	1316.4	1322.9
27.5°	1268.8	1278.7	1288.5	1306.5	1313.1
30°	1250.8	1260.6	1275.4	1295.1	1300.0
32.5°	1231.1	1241.0	1257.4	1278.7	1283.6
35°	1201.6	1214.7	1236.0	1259.0	1262.3
37.5°	1175.4	1188.5	1211.4	1236.0	1241.0
40°	1139.3	1155.7	1180.3	1203.3	1213.1
42.5°	1096.7	1113.1	1139.3	1167.2	1177.0
45°	1037.7	1055.7	1086.9	1116.4	1127.8
47.5°	980.3	996.7	1031.1	1065.6	1073.7
50°	919.7	939.3	977.0	1013.1	1021.3
52.5°	855.7	880.3	921.3	959.0	972.1
55°	795.1	818.0	863.9	903.3	918.0
57.5°	727.9	755.7	806.5	849.2	862.3
60°	668.8	693.4	747.5	791.8	804.9
62.5°	600.0	629.5	688.5	732.8	744.2
65°	537.7	565.6	627.9	673.8	685.2
67.5°	470.5	503.3	565.6	613.1	631.1
70°	404.9	439.3	504.9	554.1	572.1
72.5°	339.3	377.0	442.6	493.4	516.4
75°	275.4	314.7	383.6	434.4	444.3
77.5°	211.5	255.7	321.3	357.4	357.4
80°	152.5	196.7	254.1	263.9	272.1
82.5°	101.6	142.6	173.8	183.6	185.2
85°	55.7	86.9	95.1	95.1	88.5
87.5°	21.3	27.9	19.7	9.8	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)