

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: P302386

Luminaire Tested: **RX-WO-55L930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302386
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-55L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

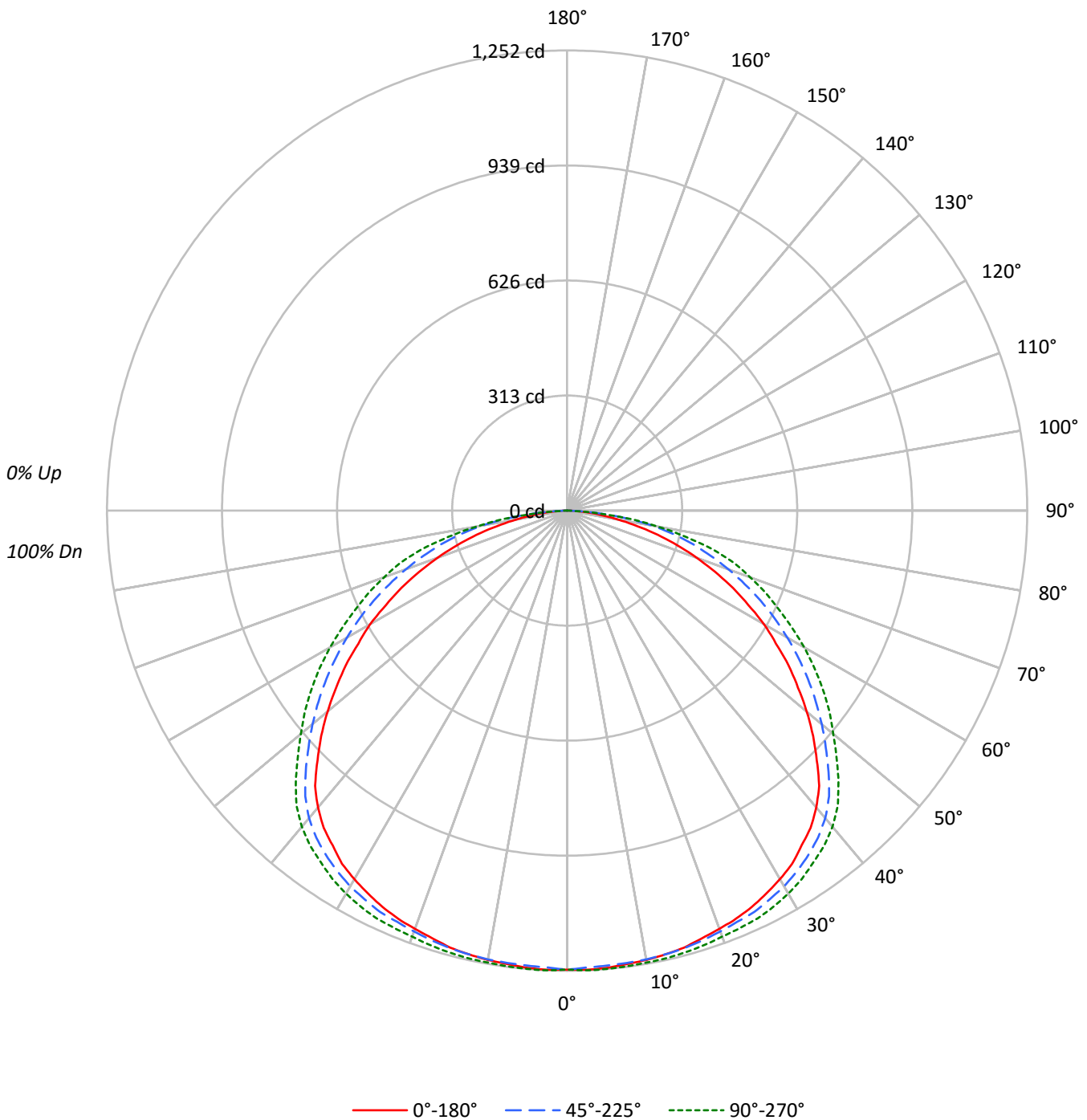
Lumens per Lamp: N/A
Luminaire Lumens: 4252.9 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (A_{in}): 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°	1680	1680	1680
5°	1687	1679	1691
10°	1696	1694	1706
15°	1714	1716	1733
20°	1734	1745	1766
25°	1766	1789	1818
30°	1799	1834	1870
35°	1827	1879	1919
40°	1852	1919	1972
45°	1828	1914	1987
50°	1782	1893	1979
55°	1727	1876	1993
60°	1666	1862	2005
65°	1585	1850	2019
70°	1474	1839	2083
75°	1325	1846	2138
80°	1093	1822	1952
85°	797	1359	1264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	2.8
10°-20°	349.7	8.2
20°-30°	557.0	13.1
30°-40°	716.0	16.8
40°-50°	774.3	18.2
50°-60°	712.2	16.7
60°-70°	567.8	13.4
70°-80°	360.7	8.5
80°-90°	96.1	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°	1025.7	24.1
0°-40°	1741.7	41.0
0°-60°	3228.3	75.9
0°-90°	4252.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4252.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1249	1249	1243	1250	1252	119
15°	1231	1232	1232	1243	1244	348
25°	1190	1194	1205	1219	1225	549
35°	1112	1124	1144	1166	1168	697
45°	961	977	1006	1033	1044	741
55°	736	757	800	836	850	657
65°	498	524	581	624	634	491
75°	255	291	355	402	411	270
85°	52	80	88	88	82	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.9	1248.9	1248.9	1248.9	1248.9
2.5°	1250.4	1250.4	1244.4	1252.0	1252.0
5°	1248.9	1248.9	1242.8	1250.4	1252.0
7.5°	1244.4	1245.9	1241.3	1248.9	1250.4
10°	1241.3	1242.8	1239.8	1247.4	1248.9
12.5°	1236.8	1238.3	1236.8	1245.9	1247.4
15°	1230.7	1232.2	1232.2	1242.8	1244.4
17.5°	1220.1	1223.1	1226.2	1238.3	1239.8
20°	1211.0	1214.0	1218.6	1232.2	1233.7
22.5°	1201.9	1204.9	1211.0	1227.7	1229.2
25°	1189.7	1194.3	1204.9	1218.6	1224.6
27.5°	1174.6	1183.7	1192.8	1209.5	1215.5
30°	1157.9	1167.0	1180.6	1198.8	1203.4
32.5°	1139.7	1148.8	1163.9	1183.7	1188.2
35°	1112.3	1124.5	1144.2	1165.5	1168.5
37.5°	1088.1	1100.2	1121.4	1144.2	1148.8
40°	1054.7	1069.8	1092.6	1113.9	1123.0
42.5°	1015.2	1030.4	1054.7	1080.5	1089.6
45°	960.6	977.3	1006.1	1033.4	1044.1
47.5°	907.5	922.6	954.5	986.4	994.0
50°	851.3	869.5	904.4	937.8	945.4
52.5°	792.1	814.9	852.8	887.7	899.9
55°	736.0	757.2	799.7	836.2	849.8
57.5°	673.8	699.6	746.6	786.1	798.2
60°	619.1	641.9	692.0	733.0	745.1
62.5°	555.4	582.7	637.4	678.3	689.0
65°	497.7	523.5	581.2	623.7	634.3
67.5°	435.5	465.9	523.5	567.6	584.2
70°	374.8	406.7	467.4	512.9	529.6
72.5°	314.1	349.0	409.7	456.8	478.0
75°	254.9	291.4	355.1	402.1	411.2
77.5°	195.8	236.7	297.4	330.8	330.8
80°	141.1	182.1	235.2	244.3	251.9
82.5°	94.1	132.0	160.9	170.0	171.5
85°	51.6	80.4	88.0	88.0	81.9
87.5°	19.7	25.8	18.2	9.1	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)