

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: P302270

Luminaire Tested: **RX-WO-70H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-70H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

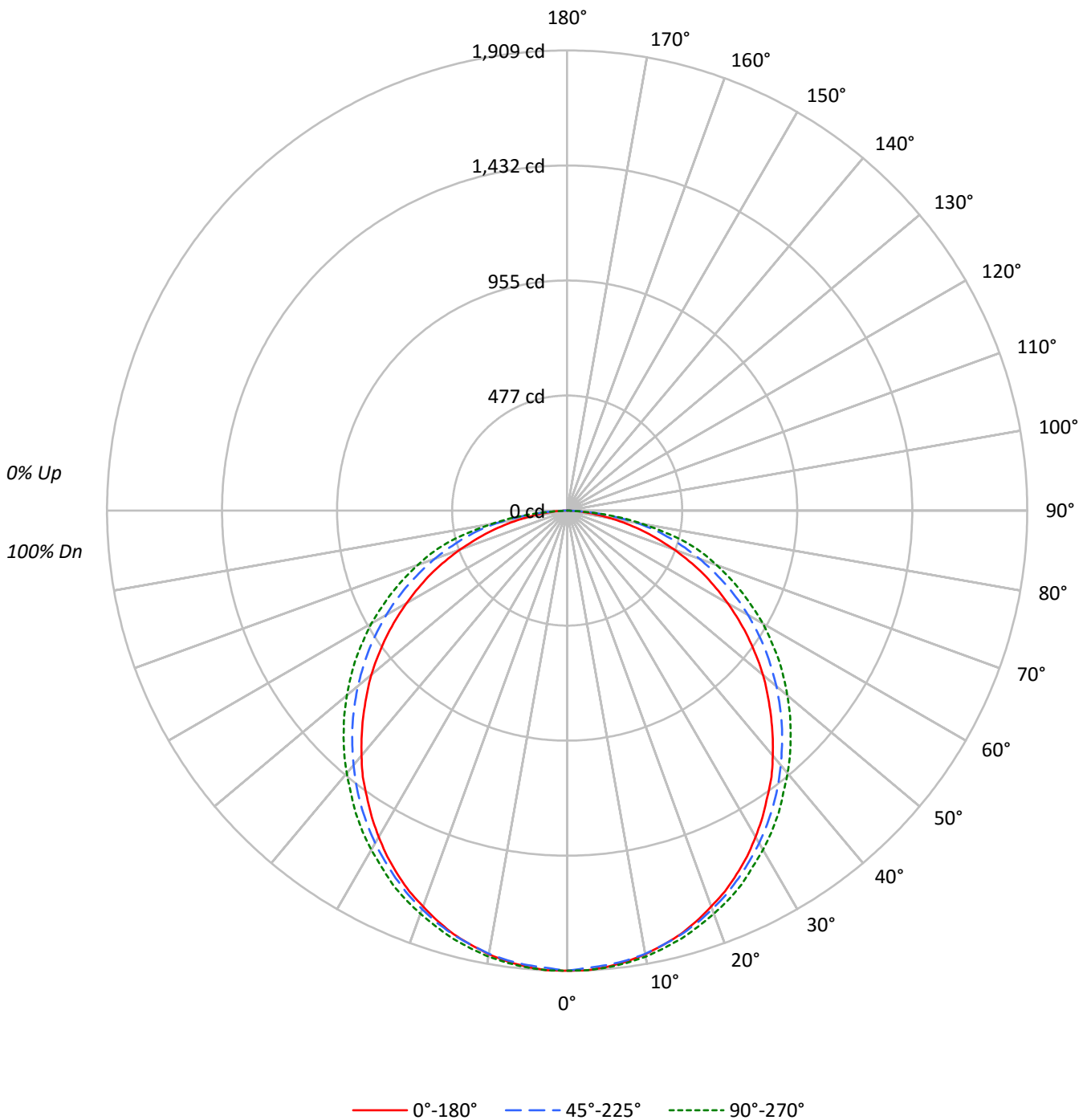
Lumens per Lamp: N/A
Luminaire Lumens: 5555.7 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.9
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	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2568	2568	2568
5°	2567	2556	2570
10°	2554	2551	2567
15°	2534	2537	2559
20°	2503	2520	2548
25°	2471	2498	2542
30°	2429	2475	2525
35°	2379	2451	2513
40°	2331	2422	2499
45°	2273	2397	2496
50°	2222	2371	2496
55°	2150	2350	2509
60°	2072	2333	2525
65°	1990	2312	2546
70°	1858	2295	2591
75°	1692	2300	2672
80°	1399	2275	2460
85°	1071	1808	1746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.5	3.2
10°-20°	515.3	9.3
20°-30°	777.3	14.0
30°-40°	933.2	16.8
40°-50°	970.6	17.5
50°-60°	892.6	16.1
60°-70°	711.4	12.8
70°-80°	450.8	8.1
80°-90°	124.0	2.2
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°	1473.1	26.5
0°-40°	2406.3	43.3
0°-60°	4269.5	76.8
0°-90°	5555.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5555.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1901	1901	1893	1903	1903	180
15°	1819	1819	1821	1835	1837	513
25°	1665	1673	1682	1706	1712	767
35°	1448	1464	1492	1520	1530	907
45°	1194	1220	1260	1300	1312	922
55°	917	946	1002	1052	1069	819
65°	625	657	726	782	800	616
75°	325	367	442	498	514	342
85°	69	99	117	115	113	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.7	1908.7	1908.7	1908.7	1908.7
2.5°	1908.7	1908.7	1898.8	1908.7	1908.7
5°	1900.7	1900.7	1892.8	1902.7	1902.7
7.5°	1886.9	1888.8	1882.9	1892.8	1892.8
10°	1869.0	1871.0	1867.0	1878.9	1878.9
12.5°	1845.2	1847.2	1845.2	1859.1	1859.1
15°	1819.4	1819.4	1821.4	1835.3	1837.2
17.5°	1785.7	1789.6	1793.6	1809.5	1809.5
20°	1748.0	1753.9	1759.9	1779.7	1779.7
22.5°	1710.3	1716.2	1724.2	1744.0	1748.0
25°	1664.6	1672.6	1682.5	1706.3	1712.3
27.5°	1617.0	1623.0	1638.8	1664.6	1666.6
30°	1563.4	1573.4	1593.2	1619.0	1625.0
32.5°	1507.9	1521.8	1543.6	1573.4	1579.3
35°	1448.4	1464.2	1492.0	1519.8	1529.7
37.5°	1392.8	1404.7	1436.5	1468.2	1474.2
40°	1327.3	1345.2	1378.9	1414.6	1422.6
42.5°	1261.9	1281.7	1319.4	1355.1	1369.0
45°	1194.4	1220.2	1259.9	1299.6	1311.5
47.5°	1127.0	1154.7	1196.4	1240.0	1253.9
50°	1061.5	1087.3	1132.9	1178.5	1192.4
52.5°	988.1	1017.8	1067.4	1117.0	1130.9
55°	916.6	946.4	1002.0	1051.6	1069.4
57.5°	843.2	877.0	934.5	986.1	1002.0
60°	769.8	805.5	867.0	918.6	938.5
62.5°	696.4	730.1	797.6	849.2	867.0
65°	625.0	656.7	726.2	781.7	799.6
67.5°	547.6	583.3	654.7	712.3	728.2
70°	472.2	507.9	583.3	642.8	658.7
72.5°	394.8	436.5	511.9	569.4	591.3
75°	325.4	367.1	442.4	498.0	513.9
77.5°	252.0	293.6	371.0	410.7	412.7
80°	180.6	228.2	293.6	309.5	317.5
82.5°	119.0	164.7	202.4	222.2	222.2
85°	69.4	99.2	117.1	115.1	113.1
87.5°	25.8	33.7	27.8	19.8	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)