

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: P302266

Luminaire Tested: **RX-WO-50H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302266
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-50H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (336)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

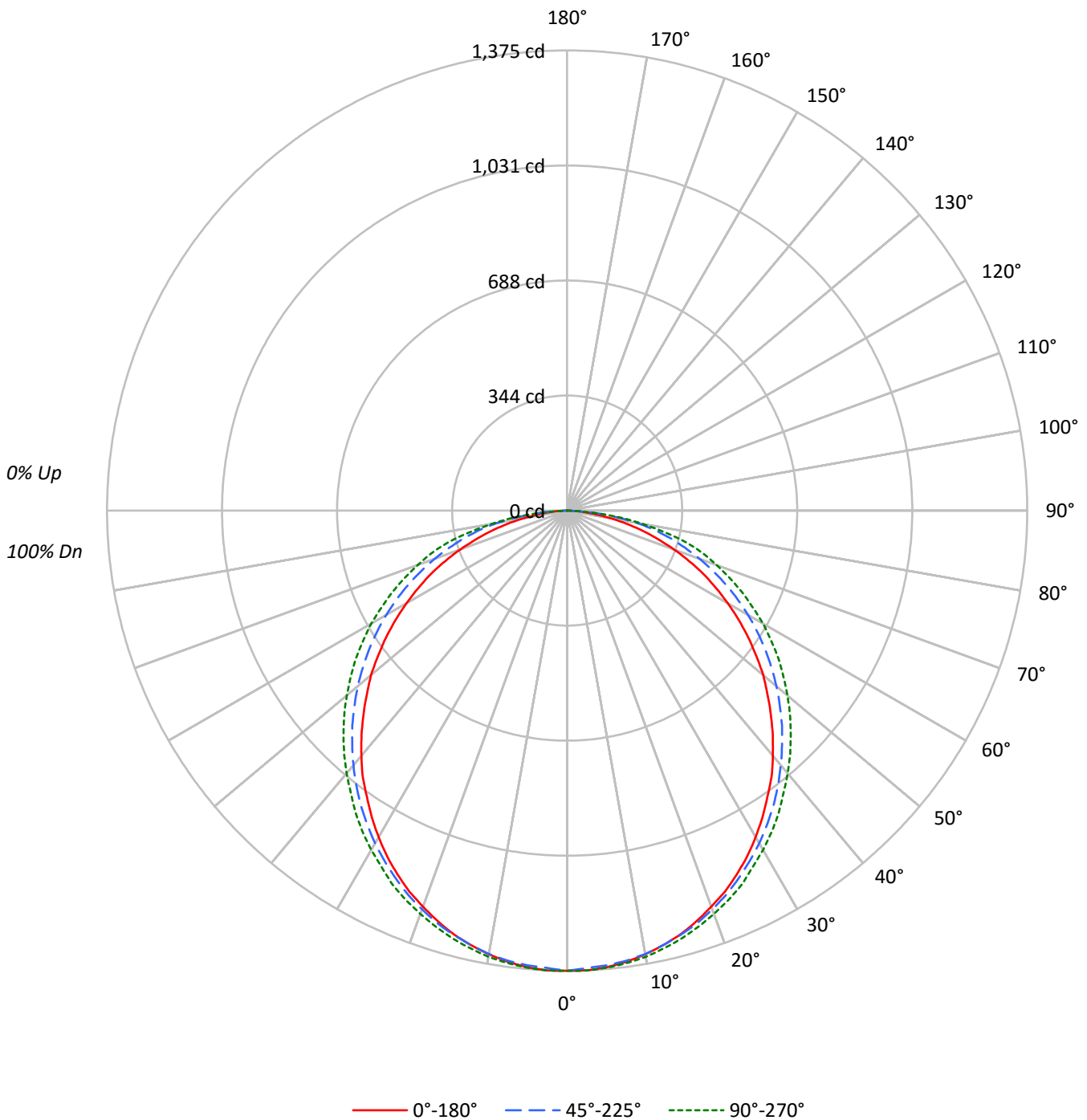
Lumens per Lamp: N/A
Luminaire Lumens: 4002.9 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
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°	1850	1850	1850
5°	1850	1842	1852
10°	1840	1838	1850
15°	1826	1828	1844
20°	1803	1816	1836
25°	1781	1800	1832
30°	1750	1783	1819
35°	1714	1766	1810
40°	1680	1745	1800
45°	1638	1727	1798
50°	1601	1709	1798
55°	1549	1693	1807
60°	1493	1681	1820
65°	1434	1666	1834
70°	1338	1653	1867
75°	1219	1657	1925
80°	1008	1640	1772
85°	772	1301	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	3.2
10°-20°	371.3	9.3
20°-30°	560.1	14.0
30°-40°	672.4	16.8
40°-50°	699.3	17.5
50°-60°	643.1	16.1
60°-70°	512.6	12.8
70°-80°	324.8	8.1
80°-90°	89.3	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°	1061.4	26.5
0°-40°	1733.8	43.3
0°-60°	3076.2	76.8
0°-90°	4002.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4002.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1370	1370	1364	1371	1371	130
15°	1311	1311	1312	1322	1324	369
25°	1199	1205	1212	1229	1234	552
35°	1044	1055	1075	1095	1102	654
45°	861	879	908	936	945	664
55°	660	682	722	758	770	590
65°	450	473	523	563	576	444
75°	234	264	319	359	370	247
85°	50	72	84	83	82	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1375.2	1375.2	1368.1	1375.2	1375.2
5°	1369.5	1369.5	1363.8	1370.9	1370.9
7.5°	1359.5	1360.9	1356.6	1363.8	1363.8
10°	1346.6	1348.0	1345.2	1353.8	1353.8
12.5°	1329.5	1330.9	1329.5	1339.5	1339.5
15°	1310.9	1310.9	1312.3	1322.3	1323.7
17.5°	1286.6	1289.4	1292.3	1303.7	1303.7
20°	1259.4	1263.7	1268.0	1282.3	1282.3
22.5°	1232.2	1236.5	1242.3	1256.5	1259.4
25°	1199.4	1205.1	1212.2	1229.4	1233.7
27.5°	1165.1	1169.3	1180.8	1199.4	1200.8
30°	1126.5	1133.6	1147.9	1166.5	1170.8
32.5°	1086.4	1096.4	1112.2	1133.6	1137.9
35°	1043.6	1055.0	1075.0	1095.0	1102.2
37.5°	1003.5	1012.1	1035.0	1057.8	1062.1
40°	956.3	969.2	993.5	1019.2	1025.0
42.5°	909.2	923.5	950.6	976.4	986.4
45°	860.6	879.2	907.7	936.3	944.9
47.5°	812.0	832.0	862.0	893.5	903.5
50°	764.8	783.4	816.3	849.1	859.1
52.5°	711.9	733.3	769.1	804.8	814.8
55°	660.4	681.9	721.9	757.6	770.5
57.5°	607.5	631.8	673.3	710.5	721.9
60°	554.7	580.4	624.7	661.9	676.2
62.5°	501.8	526.1	574.7	611.8	624.7
65°	450.3	473.2	523.2	563.2	576.1
67.5°	394.5	420.3	471.7	513.2	524.6
70°	340.2	366.0	420.3	463.2	474.6
72.5°	284.5	314.5	368.8	410.3	426.0
75°	234.4	264.5	318.8	358.8	370.2
77.5°	181.5	211.6	267.3	295.9	297.3
80°	130.1	164.4	211.6	223.0	228.7
82.5°	85.8	118.7	145.8	160.1	160.1
85°	50.0	71.5	84.3	82.9	81.5
87.5°	18.6	24.3	20.0	14.3	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)