

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: P302275

Luminaire Tested: **RX-WO-45H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302275
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-45H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

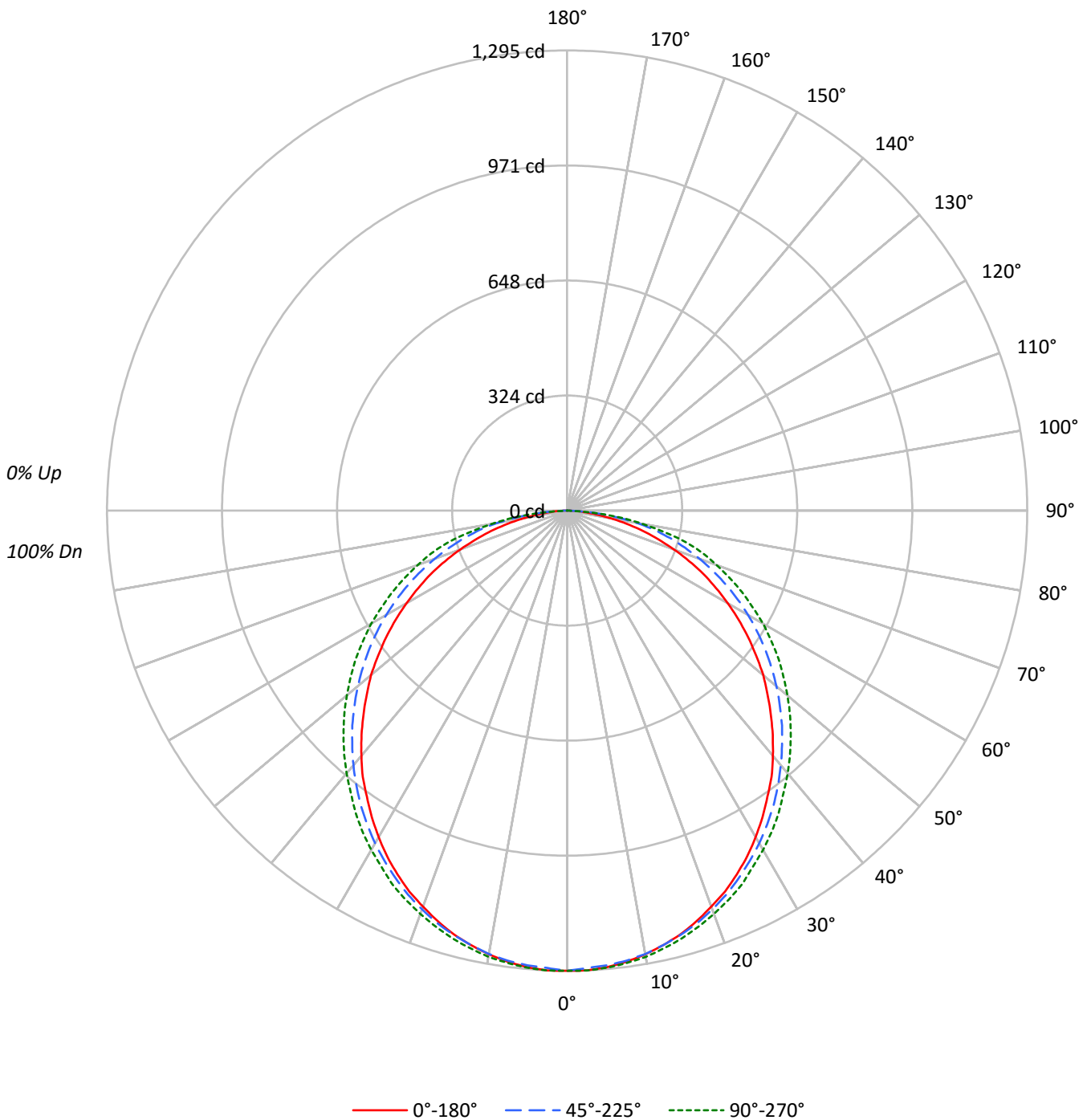
Lumens per Lamp: N/A
Luminaire Lumens: 3769.9 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
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°	1743	1743	1743
5°	1742	1735	1744
10°	1733	1731	1742
15°	1720	1722	1737
20°	1698	1710	1729
25°	1677	1695	1725
30°	1648	1680	1713
35°	1614	1663	1705
40°	1582	1643	1695
45°	1542	1627	1693
50°	1508	1609	1694
55°	1459	1595	1702
60°	1406	1583	1714
65°	1350	1569	1727
70°	1260	1557	1758
75°	1148	1561	1813
80°	949	1544	1669
85°	727	1226	1184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.2
10°-20°	349.7	9.3
20°-30°	527.5	14.0
30°-40°	633.3	16.8
40°-50°	658.6	17.5
50°-60°	605.7	16.1
60°-70°	482.7	12.8
70°-80°	305.9	8.1
80°-90°	84.1	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°	999.6	26.5
0°-40°	1632.9	43.3
0°-60°	2897.2	76.8
0°-90°	3769.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3769.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1295	1295	1295	1295	1295	
5°	1290	1290	1284	1291	1291	122
15°	1235	1235	1236	1245	1247	348
25°	1130	1135	1142	1158	1162	520
35°	983	994	1012	1031	1038	616
45°	810	828	855	882	890	626
55°	622	642	680	714	726	556
65°	424	446	493	530	543	418
75°	221	249	300	338	349	232
85°	47	67	79	78	77	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1295.2	1295.2	1295.2	1295.2	1295.2
2.5°	1295.2	1295.2	1288.4	1295.2	1295.2
5°	1289.8	1289.8	1284.4	1291.1	1291.1
7.5°	1280.4	1281.7	1277.7	1284.4	1284.4
10°	1268.2	1269.6	1266.9	1275.0	1275.0
12.5°	1252.1	1253.4	1252.1	1261.5	1261.5
15°	1234.6	1234.6	1235.9	1245.4	1246.7
17.5°	1211.7	1214.4	1217.1	1227.9	1227.9
20°	1186.1	1190.2	1194.2	1207.7	1207.7
22.5°	1160.5	1164.6	1170.0	1183.4	1186.1
25°	1129.6	1135.0	1141.7	1157.8	1161.9
27.5°	1097.3	1101.3	1112.1	1129.6	1130.9
30°	1060.9	1067.6	1081.1	1098.6	1102.6
32.5°	1023.2	1032.6	1047.4	1067.6	1071.7
35°	982.8	993.6	1012.4	1031.3	1038.0
37.5°	945.1	953.2	974.7	996.3	1000.3
40°	900.7	912.8	935.7	959.9	965.3
42.5°	856.3	869.7	895.3	919.5	929.0
45°	810.5	828.0	854.9	881.8	889.9
47.5°	764.7	783.6	811.8	841.5	850.9
50°	720.3	737.8	768.8	799.7	809.1
52.5°	670.5	690.7	724.3	758.0	767.4
55°	622.0	642.2	679.9	713.6	725.7
57.5°	572.2	595.1	634.1	669.1	679.9
60°	522.4	546.6	588.3	623.4	636.8
62.5°	472.6	495.4	541.2	576.2	588.3
65°	424.1	445.6	492.8	530.5	542.6
67.5°	371.6	395.8	444.3	483.3	494.1
70°	320.4	344.7	395.8	436.2	447.0
72.5°	267.9	296.2	347.4	386.4	401.2
75°	220.8	249.1	300.2	337.9	348.7
77.5°	171.0	199.3	251.8	278.7	280.0
80°	122.5	154.8	199.3	210.0	215.4
82.5°	80.8	111.7	137.3	150.8	150.8
85°	47.1	67.3	79.4	78.1	76.7
87.5°	17.5	22.9	18.8	13.5	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)