

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: P302277

Luminaire Tested: **RX-WO-55H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302277
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-55H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (336)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

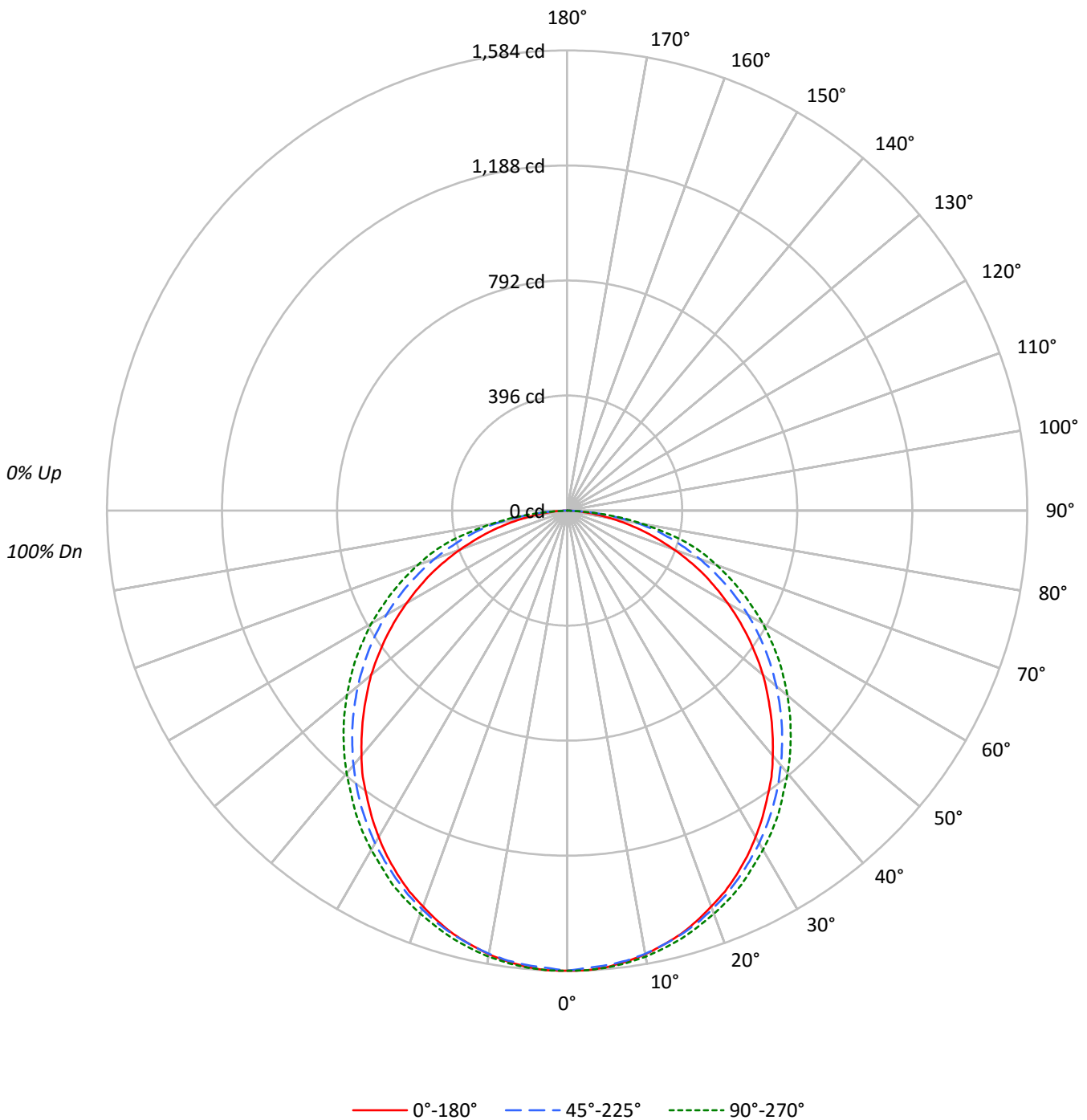
Lumens per Lamp: N/A
Luminaire Lumens: 4610.3 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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°	2131	2131	2131
5°	2130	2121	2133
10°	2119	2117	2130
15°	2103	2105	2124
20°	2077	2091	2115
25°	2051	2073	2109
30°	2016	2054	2095
35°	1974	2034	2085
40°	1935	2010	2073
45°	1886	1989	2071
50°	1844	1968	2071
55°	1784	1951	2082
60°	1719	1936	2096
65°	1651	1918	2112
70°	1542	1904	2150
75°	1404	1909	2217
80°	1161	1888	2041
85°	889	1499	1448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.2
10°-20°	427.6	9.3
20°-30°	645.1	14.0
30°-40°	774.4	16.8
40°-50°	805.4	17.5
50°-60°	740.7	16.1
60°-70°	590.4	12.8
70°-80°	374.1	8.1
80°-90°	102.9	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°	1222.4	26.5
0°-40°	1996.9	43.3
0°-60°	3543.0	76.8
0°-90°	4610.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4610.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1584	1584	1584	1584	1584	
5°	1577	1577	1571	1579	1579	150
15°	1510	1510	1511	1523	1525	425
25°	1381	1388	1396	1416	1421	636
35°	1202	1215	1238	1261	1269	753
45°	991	1013	1046	1078	1088	765
55°	761	785	832	873	887	680
65°	519	545	603	649	664	511
75°	270	305	367	413	426	284
85°	58	82	97	96	94	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1583.9	1583.9	1583.9	1583.9	1583.9
2.5°	1583.9	1583.9	1575.7	1583.9	1583.9
5°	1577.3	1577.3	1570.7	1579.0	1579.0
7.5°	1565.8	1567.4	1562.5	1570.7	1570.7
10°	1551.0	1552.6	1549.3	1559.2	1559.2
12.5°	1531.2	1532.8	1531.2	1542.7	1542.7
15°	1509.8	1509.8	1511.4	1523.0	1524.6
17.5°	1481.8	1485.1	1488.4	1501.6	1501.6
20°	1450.5	1455.5	1460.4	1476.9	1476.9
22.5°	1419.2	1424.2	1430.8	1447.2	1450.5
25°	1381.4	1388.0	1396.2	1416.0	1420.9
27.5°	1341.9	1346.8	1360.0	1381.4	1383.0
30°	1297.4	1305.6	1322.1	1343.5	1348.4
32.5°	1251.3	1262.8	1280.9	1305.6	1310.6
35°	1201.9	1215.1	1238.1	1261.2	1269.4
37.5°	1155.8	1165.7	1192.0	1218.4	1223.3
40°	1101.5	1116.3	1144.3	1173.9	1180.5
42.5°	1047.1	1063.6	1094.9	1124.5	1136.1
45°	991.2	1012.6	1045.5	1078.4	1088.3
47.5°	935.2	958.2	992.8	1029.0	1040.6
50°	880.9	902.3	940.1	978.0	989.5
52.5°	819.9	844.6	885.8	927.0	938.5
55°	760.7	785.4	831.5	872.6	887.4
57.5°	699.7	727.7	775.5	818.3	831.5
60°	638.8	668.5	719.5	762.3	778.8
62.5°	577.9	605.9	661.9	704.7	719.5
65°	518.6	545.0	602.6	648.7	663.5
67.5°	454.4	484.1	543.3	591.1	604.2
70°	391.9	421.5	484.1	533.5	546.6
72.5°	327.6	362.2	424.8	472.5	490.6
75°	270.0	304.6	367.2	413.3	426.4
77.5°	209.1	243.7	307.9	340.8	342.5
80°	149.8	189.3	243.7	256.8	263.4
82.5°	98.8	136.7	167.9	184.4	184.4
85°	57.6	82.3	97.1	95.5	93.8
87.5°	21.4	28.0	23.1	16.5	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)