

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: P302276

Luminaire Tested: **RX-WO-50H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302276
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-50H935-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: 4152.2 lumens
Efficiency: N/A
Efficacy: 114.4 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

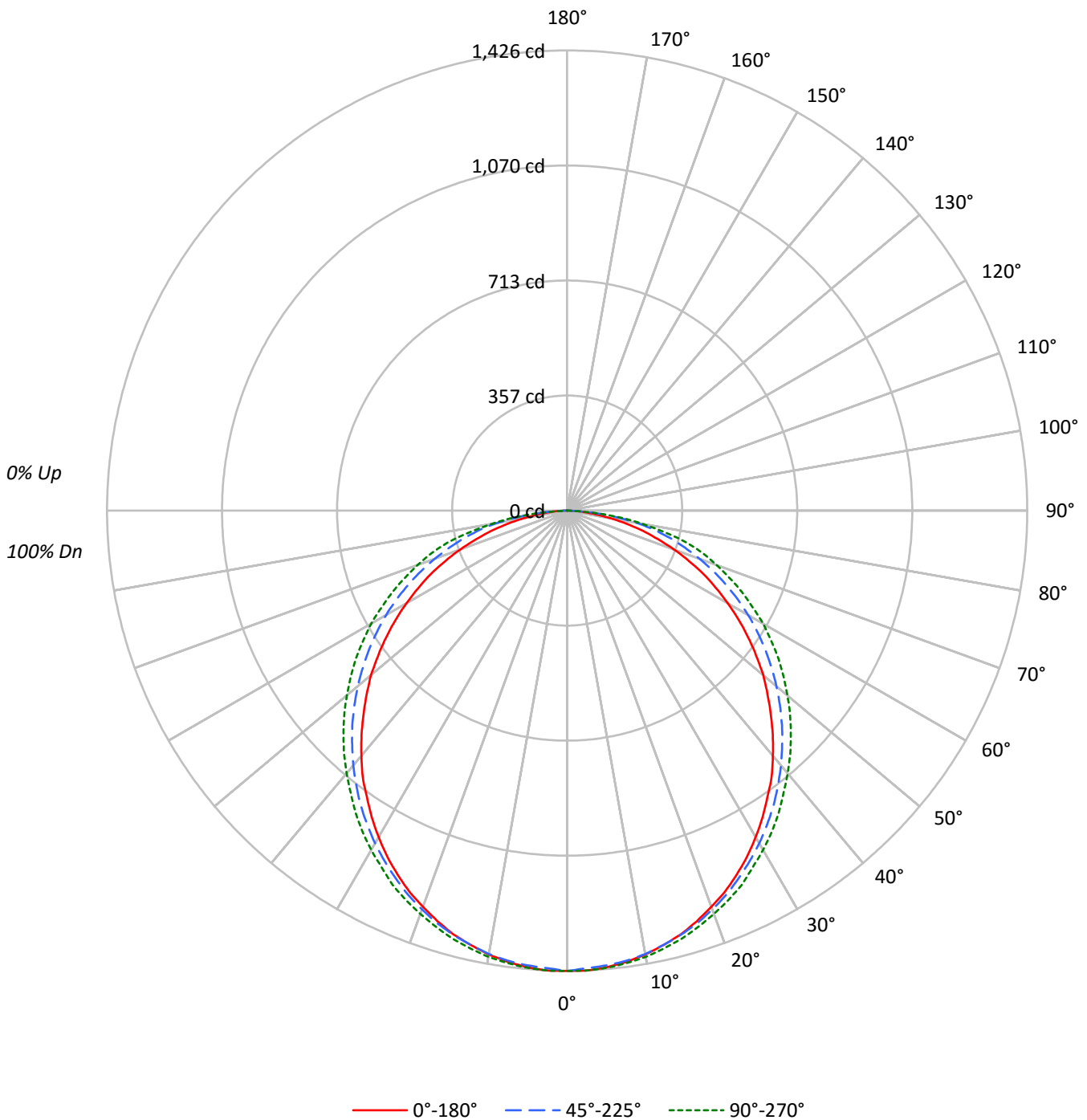
Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1919	1919	1919
5°	1919	1911	1921
10°	1908	1906	1919
15°	1894	1896	1913
20°	1871	1883	1904
25°	1847	1867	1900
30°	1815	1850	1887
35°	1778	1832	1878
40°	1742	1810	1867
45°	1699	1792	1865
50°	1661	1772	1865
55°	1607	1757	1875
60°	1548	1744	1887
65°	1487	1728	1903
70°	1388	1715	1937
75°	1264	1719	1997
80°	1045	1701	1839
85°	801	1351	1304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	3.2
10°-20°	385.1	9.3
20°-30°	581.0	14.0
30°-40°	697.5	16.8
40°-50°	725.4	17.5
50°-60°	667.1	16.1
60°-70°	531.7	12.8
70°-80°	336.9	8.1
80°-90°	92.7	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°	1101.0	26.5
0°-40°	1798.4	43.3
0°-60°	3190.9	76.8
0°-90°	4152.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4152.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1421	1421	1415	1422	1422	135
15°	1360	1360	1361	1372	1373	383
25°	1244	1250	1258	1275	1280	573
35°	1082	1094	1115	1136	1143	678
45°	893	912	942	971	980	689
55°	685	707	749	786	799	612
65°	467	491	543	584	598	460
75°	243	274	331	372	384	256
85°	52	74	88	86	84	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1426.5	1426.5	1426.5	1426.5	1426.5
2.5°	1426.5	1426.5	1419.1	1426.5	1426.5
5°	1420.6	1420.6	1414.6	1422.1	1422.1
7.5°	1410.2	1411.7	1407.2	1414.6	1414.6
10°	1396.8	1398.3	1395.4	1404.3	1404.3
12.5°	1379.0	1380.5	1379.0	1389.4	1389.4
15°	1359.8	1359.8	1361.3	1371.6	1373.1
17.5°	1334.6	1337.5	1340.5	1352.4	1352.4
20°	1306.4	1310.8	1315.3	1330.1	1330.1
22.5°	1278.2	1282.7	1288.6	1303.4	1306.4
25°	1244.1	1250.0	1257.5	1275.2	1279.7
27.5°	1208.5	1213.0	1224.8	1244.1	1245.6
30°	1168.5	1175.9	1190.7	1210.0	1214.5
32.5°	1127.0	1137.3	1153.7	1175.9	1180.3
35°	1082.5	1094.3	1115.1	1135.9	1143.3
37.5°	1041.0	1049.9	1073.6	1097.3	1101.8
40°	992.0	1005.4	1030.6	1057.3	1063.2
42.5°	943.1	957.9	986.1	1012.8	1023.2
45°	892.7	912.0	941.6	971.3	980.2
47.5°	842.3	863.0	894.2	926.8	937.2
50°	793.3	812.6	846.7	880.8	891.2
52.5°	738.5	760.7	797.8	834.8	845.2
55°	685.1	707.3	748.8	785.9	799.3
57.5°	630.2	655.4	698.4	737.0	748.8
60°	575.3	602.0	648.0	686.6	701.4
62.5°	520.5	545.7	596.1	634.7	648.0
65°	467.1	490.8	542.7	584.2	597.6
67.5°	409.3	436.0	489.3	532.3	544.2
70°	352.9	379.6	436.0	480.4	492.3
72.5°	295.1	326.2	382.6	425.6	441.9
75°	243.2	274.3	330.7	372.2	384.1
77.5°	188.3	219.5	277.3	306.9	308.4
80°	134.9	170.5	219.5	231.3	237.3
82.5°	89.0	123.1	151.3	166.1	166.1
85°	51.9	74.1	87.5	86.0	84.5
87.5°	19.3	25.2	20.8	14.8	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)