

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: P302280

Luminaire Tested: **RX-WO-70H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302280
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-70H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

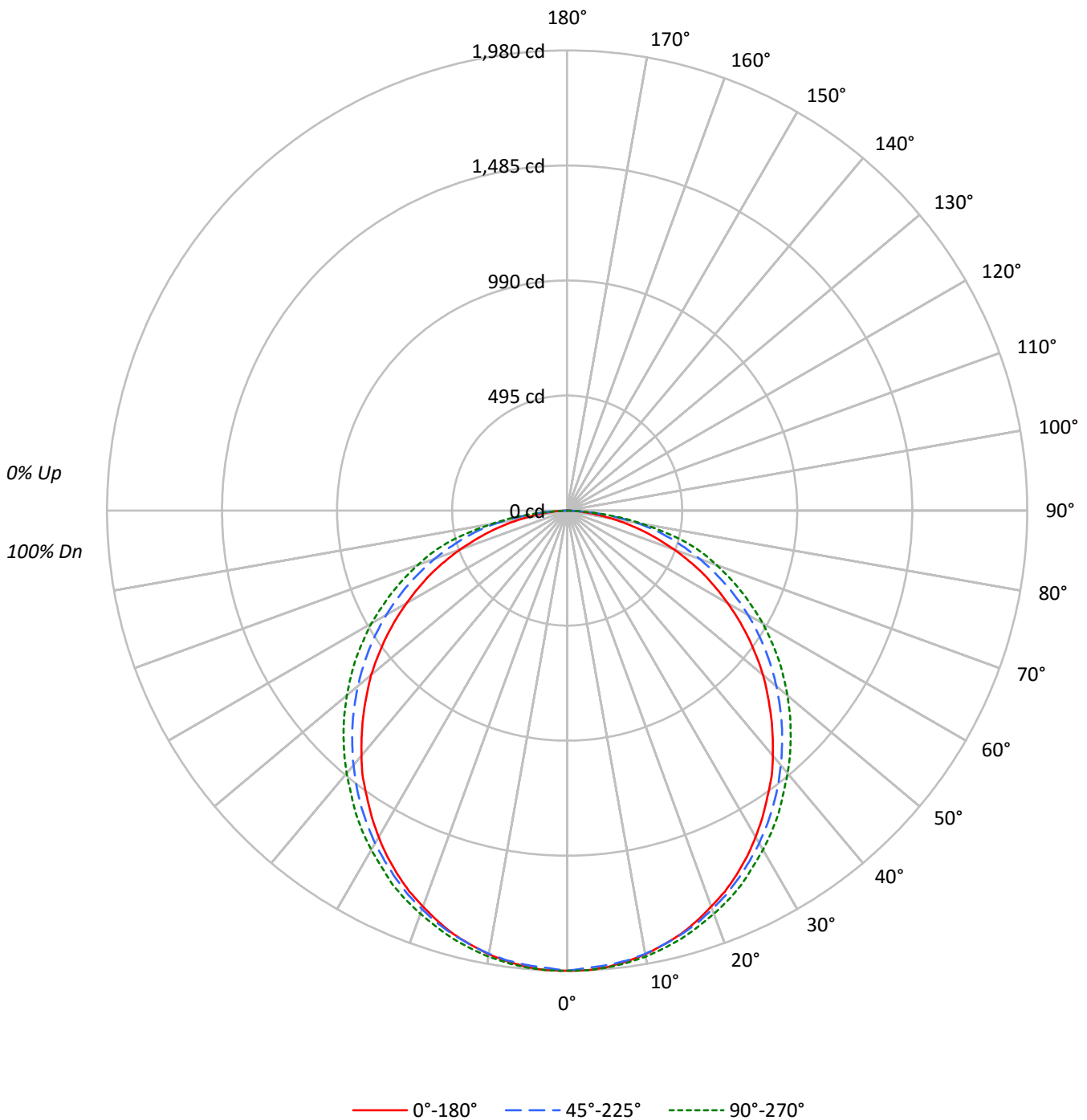
Lumens per Lamp: N/A
Luminaire Lumens: 5763.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2664	2664	2664
5°	2663	2652	2666
10°	2649	2646	2663
15°	2629	2632	2655
20°	2596	2614	2643
25°	2563	2591	2637
30°	2520	2568	2619
35°	2468	2542	2606
40°	2418	2512	2592
45°	2358	2487	2589
50°	2305	2460	2589
55°	2230	2438	2602
60°	2149	2420	2620
65°	2064	2398	2641
70°	1927	2380	2688
75°	1755	2386	2771
80°	1451	2360	2552
85°	1112	1874	1811



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	3.2
10°-20°	534.5	9.3
20°-30°	806.3	14.0
30°-40°	968.1	16.8
40°-50°	1006.8	17.5
50°-60°	925.9	16.1
60°-70°	738.0	12.8
70°-80°	467.6	8.1
80°-90°	128.6	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°	1528.0	26.5
0°-40°	2496.1	43.3
0°-60°	4428.8	76.8
0°-90°	5763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5763.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1980	1980	1980	1980	1980	
5°	1972	1972	1963	1974	1974	187
15°	1887	1887	1889	1904	1906	532
25°	1727	1735	1745	1770	1776	795
35°	1502	1519	1548	1576	1587	941
45°	1239	1266	1307	1348	1360	957
55°	951	982	1039	1091	1109	850
65°	648	681	753	811	829	639
75°	338	381	459	517	533	355
85°	72	103	121	119	117	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1979.9	1979.9	1979.9	1979.9	1979.9
2.5°	1979.9	1979.9	1969.6	1979.9	1979.9
5°	1971.6	1971.6	1963.4	1973.7	1973.7
7.5°	1957.2	1959.3	1953.1	1963.4	1963.4
10°	1938.7	1940.8	1936.7	1949.0	1949.0
12.5°	1914.0	1916.1	1914.0	1928.4	1928.4
15°	1887.3	1887.3	1889.3	1903.7	1905.8
17.5°	1852.3	1856.4	1860.5	1877.0	1877.0
20°	1813.2	1819.3	1825.5	1846.1	1846.1
22.5°	1774.1	1780.2	1788.5	1809.1	1813.2
25°	1726.7	1735.0	1745.3	1770.0	1776.1
27.5°	1677.3	1683.5	1700.0	1726.7	1728.8
30°	1621.8	1632.1	1652.6	1679.4	1685.6
32.5°	1564.1	1578.6	1601.2	1632.1	1638.2
35°	1502.4	1518.9	1547.7	1576.5	1586.8
37.5°	1444.8	1457.1	1490.1	1523.0	1529.2
40°	1376.9	1395.4	1430.4	1467.4	1475.6
42.5°	1308.9	1329.5	1368.6	1405.7	1420.1
45°	1239.0	1265.7	1306.9	1348.0	1360.4
47.5°	1169.0	1197.8	1241.0	1286.3	1300.7
50°	1101.1	1127.8	1175.2	1222.5	1236.9
52.5°	1024.9	1055.8	1107.3	1158.7	1173.1
55°	950.8	981.7	1039.3	1090.8	1109.3
57.5°	874.7	909.7	969.4	1022.9	1039.3
60°	798.5	835.6	899.4	952.9	973.5
62.5°	722.4	757.4	827.4	880.9	899.4
65°	648.3	681.2	753.3	810.9	829.4
67.5°	568.0	605.1	679.2	738.9	755.3
70°	489.8	526.9	605.1	666.8	683.3
72.5°	409.6	452.8	531.0	590.7	613.3
75°	337.5	380.7	459.0	516.6	533.0
77.5°	261.4	304.6	384.9	426.0	428.1
80°	187.3	236.7	304.6	321.1	329.3
82.5°	123.5	170.8	209.9	230.5	230.5
85°	72.0	102.9	121.4	119.4	117.3
87.5°	26.8	35.0	28.8	20.6	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)