

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: P302066

Luminaire Tested: **ZX-WO-48L835-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-48L835-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5006.9 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

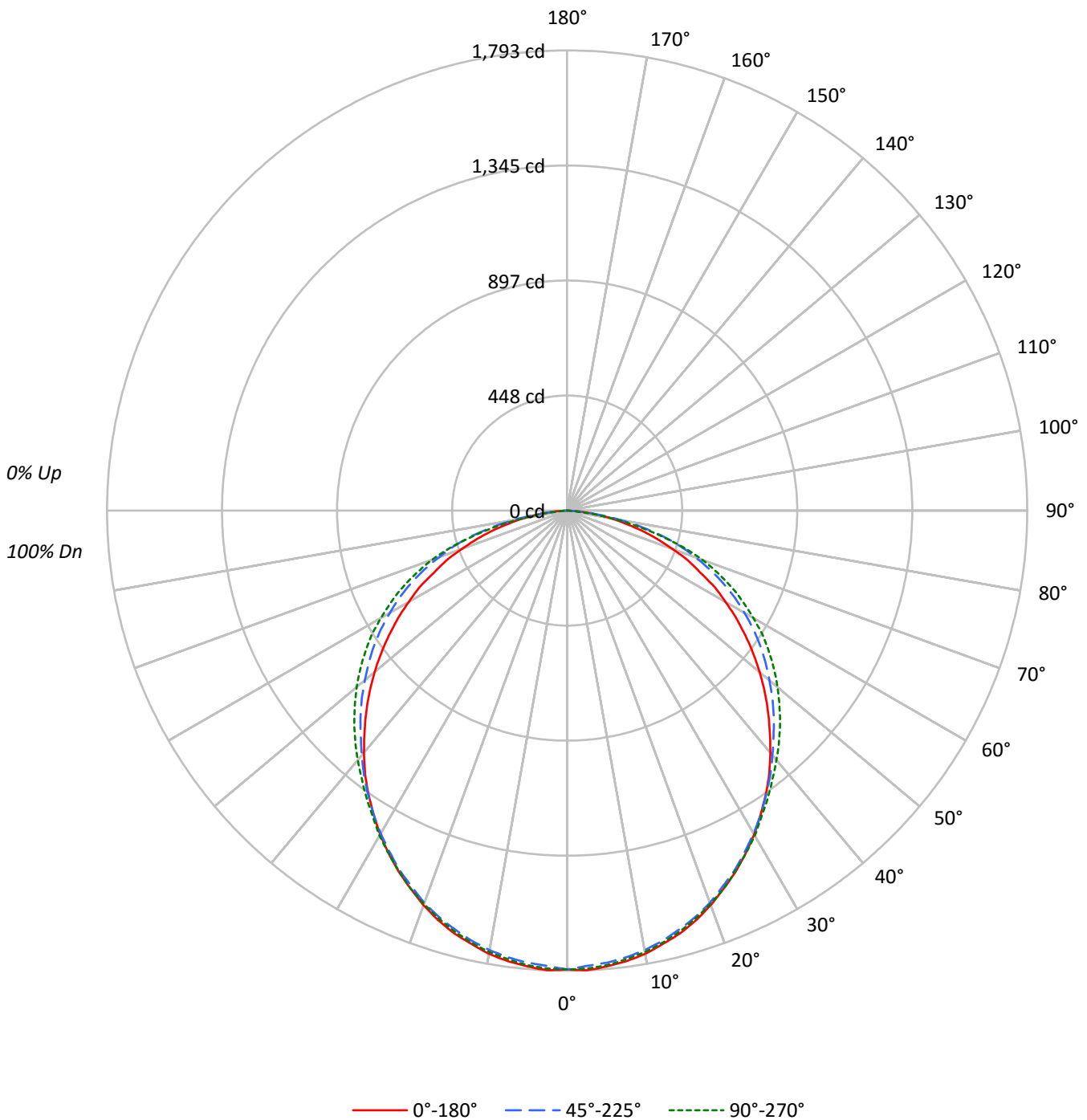
Input Watts (W): 36.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4811	4811	4811
5°	4816	4777	4803
10°	4792	4752	4772
15°	4749	4708	4729
20°	4685	4657	4671
25°	4611	4589	4603
30°	4528	4513	4543
35°	4433	4441	4482
40°	4327	4371	4457
45°	4213	4334	4465
50°	4101	4307	4481
55°	3976	4309	4504
60°	3836	4297	4508
65°	3649	4273	4507
70°	3430	4182	4413
75°	3107	3998	3871
80°	2656	3226	2847
85°	1890	1513	454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	3.4
10°-20°	478.7	9.6
20°-30°	714.1	14.3
30°-40°	848.4	16.9
40°-50°	880.6	17.6
50°-60°	814.4	16.3
60°-70°	648.7	13.0
70°-80°	379.7	7.6
80°-90°	73.7	1.5
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°	1361.4	27.2
0°-40°	2209.9	44.1
0°-60°	3904.9	78.0
0°-90°	5006.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5006.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1788	1788	1788	1788	1788	
5°	1783	1778	1768	1778	1778	169
15°	1705	1702	1690	1702	1697	480
25°	1553	1550	1545	1553	1550	715
35°	1350	1350	1352	1362	1364	844
45°	1107	1119	1139	1166	1173	854
55°	847	872	918	950	960	758
65°	573	615	671	698	708	571
75°	299	348	384	380	372	316
85°	61	74	49	24	15	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1787.9	1787.9	1787.9	1787.9	1787.9
2.5°	1792.8	1787.9	1775.7	1787.9	1785.5
5°	1783.0	1778.1	1768.3	1778.1	1778.1
7.5°	1770.8	1765.9	1756.1	1765.9	1763.4
10°	1753.6	1748.7	1738.9	1748.7	1746.3
12.5°	1729.1	1726.7	1716.9	1726.7	1724.2
15°	1704.6	1702.2	1689.9	1702.2	1697.3
17.5°	1672.8	1670.4	1660.6	1667.9	1665.5
20°	1636.1	1631.2	1626.3	1633.6	1631.2
22.5°	1594.4	1592.0	1584.6	1596.9	1594.4
25°	1552.8	1550.3	1545.4	1552.8	1550.3
27.5°	1506.3	1503.8	1498.9	1508.7	1506.3
30°	1457.3	1457.3	1452.4	1464.6	1462.2
32.5°	1403.4	1403.4	1403.4	1410.7	1410.7
35°	1349.5	1349.5	1352.0	1361.8	1364.2
37.5°	1293.2	1293.2	1300.5	1315.2	1315.2
40°	1231.9	1236.8	1244.2	1266.2	1268.7
42.5°	1168.3	1178.1	1190.3	1217.3	1222.1
45°	1107.0	1119.3	1138.9	1165.8	1173.2
47.5°	1043.4	1058.1	1085.0	1114.4	1121.7
50°	979.7	999.3	1028.7	1063.0	1070.3
52.5°	913.5	935.6	974.8	1009.1	1016.4
55°	847.4	871.9	918.4	950.3	960.1
57.5°	781.3	808.2	859.7	891.5	903.8
60°	712.7	742.1	798.4	827.8	837.6
62.5°	649.0	680.9	737.2	764.1	773.9
65°	573.1	614.7	671.1	698.0	707.8
67.5°	511.9	551.1	602.5	631.9	634.3
70°	436.0	484.9	531.5	556.0	560.9
72.5°	367.4	416.4	462.9	472.7	472.7
75°	298.8	347.8	384.5	379.6	372.3
77.5°	230.2	279.2	298.8	281.7	274.3
80°	171.4	213.1	208.2	191.0	183.7
82.5°	112.7	144.5	122.5	102.9	93.1
85°	61.2	73.5	49.0	24.5	14.7
87.5°	22.0	14.7	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)