

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: P302079

Luminaire Tested: **ZX-WO-60L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302079
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-60L930-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5038.7 lumens
Efficiency: N/A
Efficacy: 104.3 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

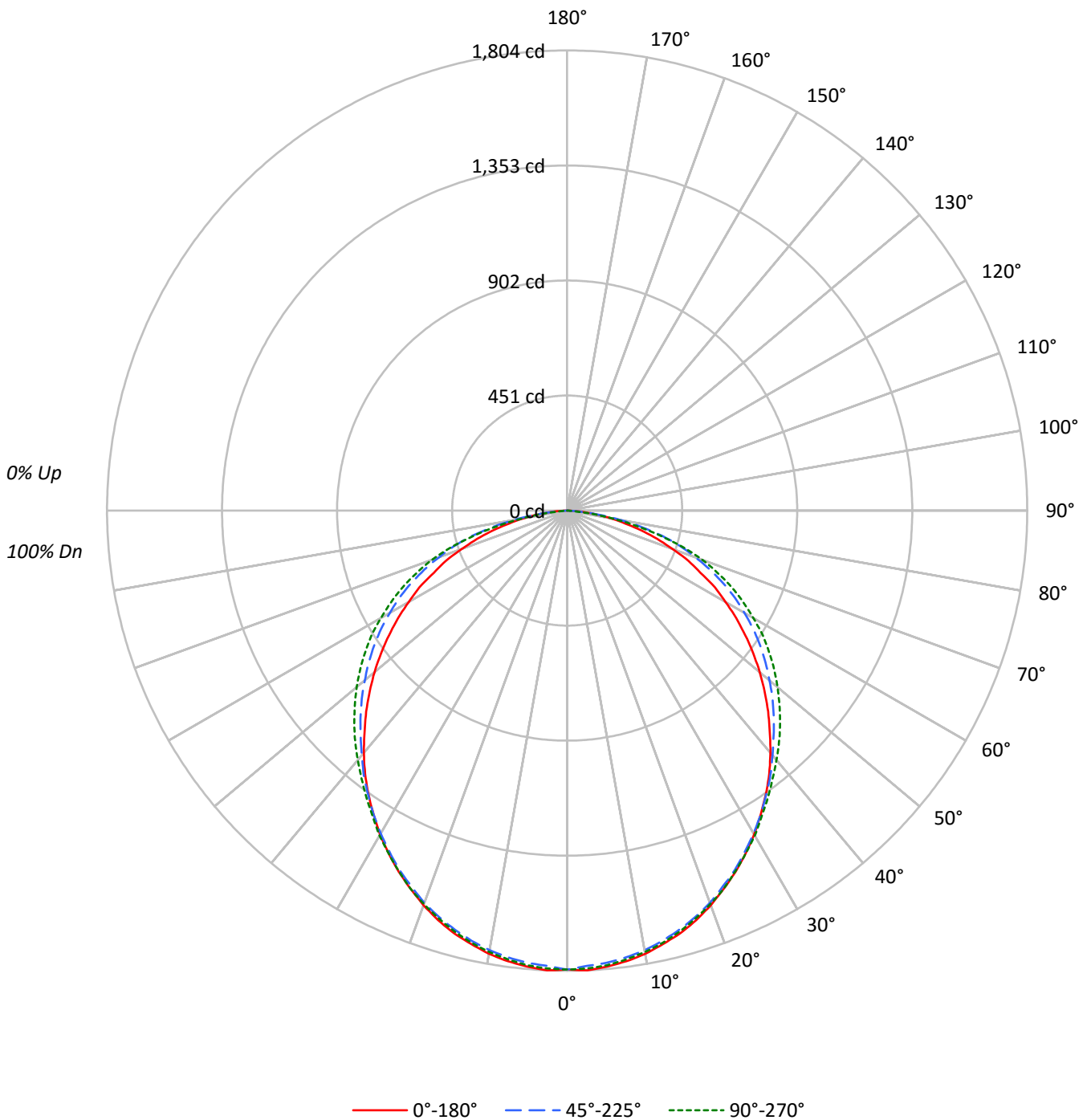
Input Watts (W): 48.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4842	4842	4842
5°	4847	4807	4834
10°	4822	4782	4802
15°	4779	4738	4758
20°	4715	4687	4701
25°	4640	4618	4632
30°	4557	4542	4572
35°	4461	4469	4510
40°	4355	4398	4485
45°	4240	4362	4493
50°	4127	4334	4509
55°	4001	4336	4533
60°	3860	4324	4536
65°	3672	4300	4535
70°	3452	4208	4441
75°	3126	4024	3895
80°	2673	3247	2865
85°	1902	1522	457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	3.4
10°-20°	481.8	9.6
20°-30°	718.6	14.3
30°-40°	853.8	16.9
40°-50°	886.2	17.6
50°-60°	819.5	16.3
60°-70°	652.8	13.0
70°-80°	382.1	7.6
80°-90°	74.1	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°	1370.1	27.2
0°-40°	2223.9	44.1
0°-60°	3929.6	78.0
0°-90°	5038.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5038.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1799	1799	1799	1799	1799	
5°	1794	1789	1780	1789	1789	170
15°	1715	1713	1701	1713	1708	483
25°	1563	1560	1555	1563	1560	720
35°	1358	1358	1360	1370	1373	849
45°	1114	1126	1146	1173	1181	859
55°	853	877	924	956	966	763
65°	577	619	675	702	712	575
75°	301	350	387	382	375	318
85°	62	74	49	25	15	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1799.2	1799.2	1799.2	1799.2	1799.2
2.5°	1804.2	1799.2	1786.9	1799.2	1796.8
5°	1794.3	1789.4	1779.5	1789.4	1789.4
7.5°	1782.0	1777.1	1767.2	1777.1	1774.6
10°	1764.7	1759.8	1749.9	1759.8	1757.3
12.5°	1740.1	1737.6	1727.8	1737.6	1735.2
15°	1715.4	1713.0	1700.7	1713.0	1708.0
17.5°	1683.4	1680.9	1671.1	1678.5	1676.0
20°	1646.4	1641.5	1636.6	1644.0	1641.5
22.5°	1604.5	1602.1	1594.7	1607.0	1604.5
25°	1562.6	1560.2	1555.2	1562.6	1560.2
27.5°	1515.8	1513.3	1508.4	1518.3	1515.8
30°	1466.5	1466.5	1461.6	1473.9	1471.4
32.5°	1412.3	1412.3	1412.3	1419.7	1419.7
35°	1358.1	1358.1	1360.5	1370.4	1372.8
37.5°	1301.4	1301.4	1308.8	1323.6	1323.6
40°	1239.8	1244.7	1252.1	1274.3	1276.7
42.5°	1175.7	1185.5	1197.9	1225.0	1229.9
45°	1114.1	1126.4	1146.1	1173.2	1180.6
47.5°	1050.0	1064.8	1091.9	1121.4	1128.8
50°	985.9	1005.6	1035.2	1069.7	1077.1
52.5°	919.3	941.5	981.0	1015.5	1022.9
55°	852.8	877.4	924.3	956.3	966.2
57.5°	786.2	813.4	865.1	897.2	909.5
60°	717.2	746.8	803.5	833.1	842.9
62.5°	653.1	685.2	741.9	769.0	778.9
65°	576.7	618.6	675.3	702.4	712.3
67.5°	515.1	554.6	606.3	635.9	638.4
70°	438.7	488.0	534.8	559.5	564.4
72.5°	369.7	419.0	465.8	475.7	475.7
75°	300.7	350.0	387.0	382.0	374.6
77.5°	231.7	281.0	300.7	283.4	276.0
80°	172.5	214.4	209.5	192.2	184.9
82.5°	113.4	145.4	123.2	103.5	93.7
85°	61.6	73.9	49.3	24.6	14.8
87.5°	22.2	14.8	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)