

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: P302325

Luminaire Tested: **ZX-WO-45H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302325
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: ZX-WO-45H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

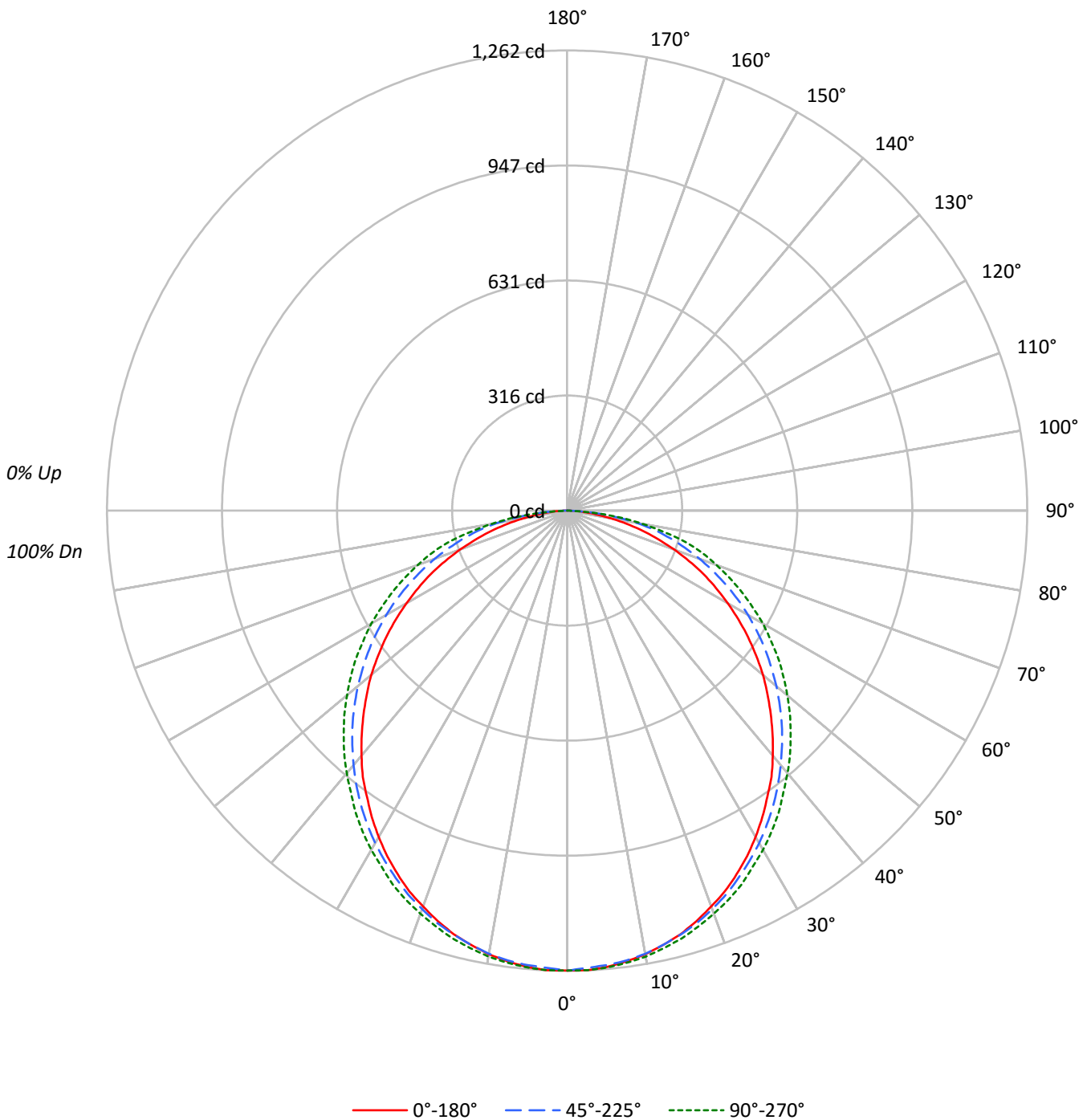
Lumens per Lamp: N/A
Luminaire Lumens: 3672.3 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
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°	1697	1697	1697
5°	1697	1690	1699
10°	1688	1686	1697
15°	1675	1677	1692
20°	1654	1666	1684
25°	1633	1651	1680
30°	1606	1636	1669
35°	1573	1620	1661
40°	1541	1601	1652
45°	1502	1585	1650
50°	1469	1568	1650
55°	1421	1554	1658
60°	1369	1542	1669
65°	1315	1528	1683
70°	1228	1517	1713
75°	1118	1521	1766
80°	924	1504	1626
85°	709	1195	1155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	3.2
10°-20°	340.6	9.3
20°-30°	513.8	14.0
30°-40°	616.9	16.8
40°-50°	641.5	17.5
50°-60°	590.0	16.1
60°-70°	470.2	12.8
70°-80°	298.0	8.1
80°-90°	82.0	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°	973.7	26.5
0°-40°	1590.6	43.3
0°-60°	2822.2	76.8
0°-90°	3672.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3672.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1256	1256	1251	1258	1258	119
15°	1203	1203	1204	1213	1214	339
25°	1100	1106	1112	1128	1132	507
35°	957	968	986	1005	1011	600
45°	790	807	833	859	867	610
55°	606	626	662	695	707	542
65°	413	434	480	517	528	407
75°	215	243	292	329	340	226
85°	46	66	77	76	75	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1261.6	1261.6	1261.6	1261.6	1261.6
2.5°	1261.6	1261.6	1255.1	1261.6	1261.6
5°	1256.4	1256.4	1251.1	1257.7	1257.7
7.5°	1247.2	1248.5	1244.6	1251.1	1251.1
10°	1235.4	1236.7	1234.1	1242.0	1242.0
12.5°	1219.7	1221.0	1219.7	1228.8	1228.8
15°	1202.6	1202.6	1203.9	1213.1	1214.4
17.5°	1180.3	1182.9	1185.6	1196.1	1196.1
20°	1155.4	1159.3	1163.3	1176.4	1176.4
22.5°	1130.5	1134.4	1139.7	1152.8	1155.4
25°	1100.3	1105.6	1112.1	1127.9	1131.8
27.5°	1068.8	1072.8	1083.3	1100.3	1101.6
30°	1033.4	1040.0	1053.1	1070.2	1074.1
32.5°	996.7	1005.9	1020.3	1040.0	1043.9
35°	957.4	967.9	986.2	1004.6	1011.1
37.5°	920.7	928.5	949.5	970.5	974.4
40°	877.4	889.2	911.5	935.1	940.3
42.5°	834.1	847.2	872.1	895.7	904.9
45°	789.5	806.6	832.8	859.0	866.9
47.5°	744.9	763.3	790.8	819.7	828.8
50°	701.6	718.7	748.9	779.0	788.2
52.5°	653.1	672.8	705.6	738.4	747.5
55°	605.9	625.6	662.3	695.1	706.9
57.5°	557.4	579.7	617.7	651.8	662.3
60°	508.9	532.5	573.1	607.2	620.3
62.5°	460.3	482.6	527.2	561.3	573.1
65°	413.1	434.1	480.0	516.7	528.5
67.5°	362.0	385.6	432.8	470.8	481.3
70°	312.1	335.7	385.6	424.9	435.4
72.5°	261.0	288.5	338.4	376.4	390.8
75°	215.1	242.6	292.5	329.2	339.7
77.5°	166.6	194.1	245.2	271.5	272.8
80°	119.3	150.8	194.1	204.6	209.8
82.5°	78.7	108.9	133.8	146.9	146.9
85°	45.9	65.6	77.4	76.1	74.8
87.5°	17.0	22.3	18.4	13.1	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)