

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: P302329

Luminaire Tested: **ZX-WO-65H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302329
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-65H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

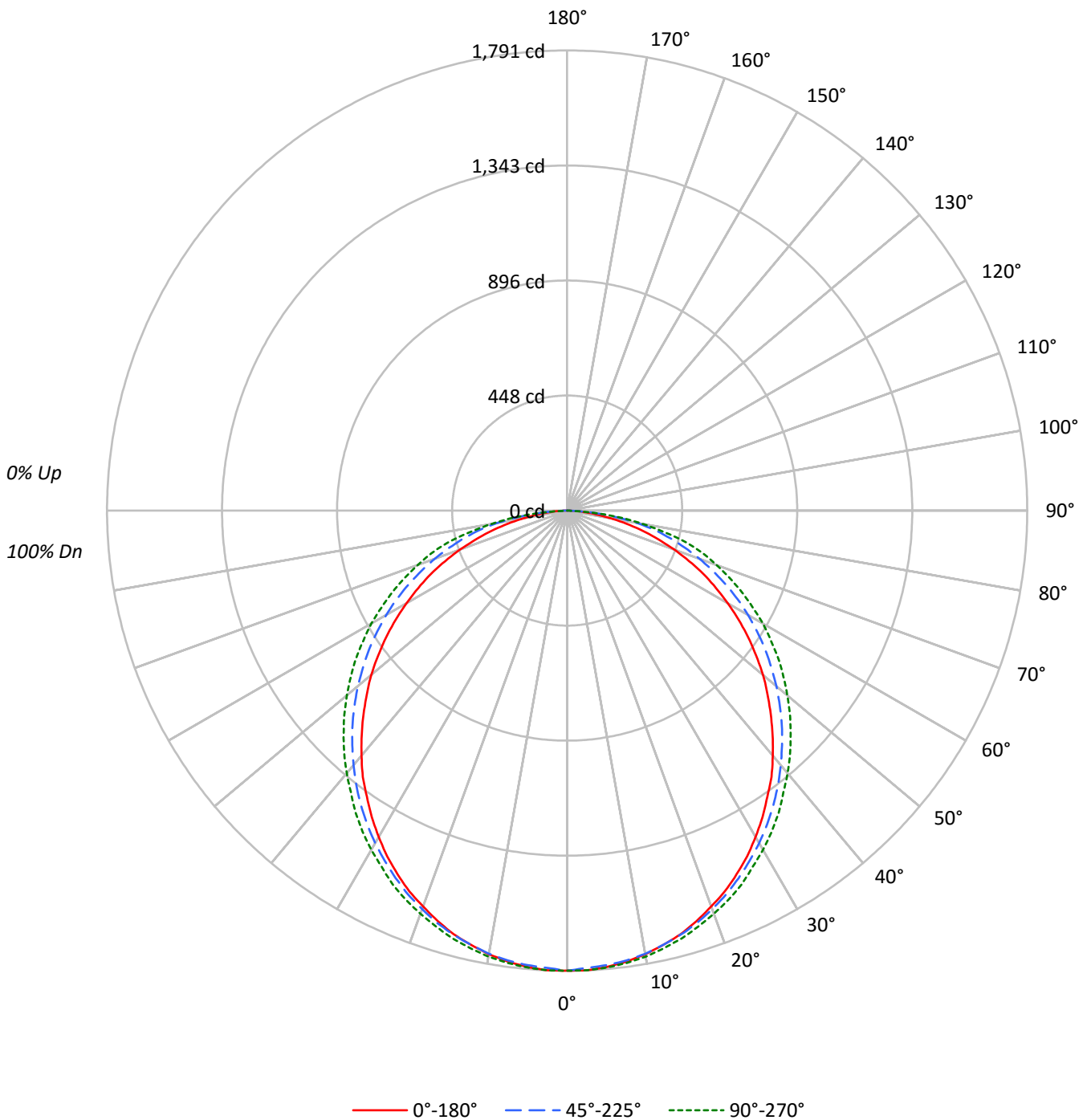
Lumens per Lamp: N/A
Luminaire Lumens: 5212.1 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 46.1
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°	2409	2409	2409
5°	2408	2398	2411
10°	2396	2393	2408
15°	2378	2380	2401
20°	2348	2364	2391
25°	2318	2343	2385
30°	2279	2322	2369
35°	2232	2299	2357
40°	2187	2272	2344
45°	2132	2249	2341
50°	2084	2225	2342
55°	2017	2205	2354
60°	1943	2189	2369
65°	1867	2169	2388
70°	1743	2153	2431
75°	1587	2158	2506
80°	1313	2135	2307
85°	1005	1695	1638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	3.2
10°-20°	483.4	9.3
20°-30°	729.3	14.0
30°-40°	875.5	16.8
40°-50°	910.5	17.5
50°-60°	837.4	16.1
60°-70°	667.4	12.8
70°-80°	422.9	8.1
80°-90°	116.3	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°	1382.0	26.5
0°-40°	2257.5	43.3
0°-60°	4005.5	76.8
0°-90°	5212.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5212.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1791	1791	1791	1791	1791	
5°	1783	1783	1776	1785	1785	169
15°	1707	1707	1709	1722	1724	481
25°	1562	1569	1578	1601	1606	719
35°	1359	1374	1400	1426	1435	851
45°	1120	1145	1182	1219	1230	865
55°	860	888	940	986	1003	769
65°	586	616	681	733	750	578
75°	305	344	415	467	482	321
85°	65	93	110	108	106	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1790.6	1790.6	1790.6	1790.6	1790.6
2.5°	1790.6	1790.6	1781.3	1790.6	1790.6
5°	1783.2	1783.2	1775.7	1785.1	1785.1
7.5°	1770.2	1772.0	1766.4	1775.7	1775.7
10°	1753.4	1755.3	1751.5	1762.7	1762.7
12.5°	1731.1	1732.9	1731.1	1744.1	1744.1
15°	1706.9	1706.9	1708.7	1721.8	1723.6
17.5°	1675.2	1679.0	1682.7	1697.6	1697.6
20°	1639.9	1645.4	1651.0	1669.6	1669.6
22.5°	1604.5	1610.1	1617.5	1636.1	1639.9
25°	1561.7	1569.1	1578.4	1600.8	1606.4
27.5°	1517.0	1522.6	1537.5	1561.7	1563.5
30°	1466.8	1476.1	1494.7	1518.9	1524.5
32.5°	1414.6	1427.7	1448.1	1476.1	1481.6
35°	1358.8	1373.7	1399.7	1425.8	1435.1
37.5°	1306.7	1317.8	1347.6	1377.4	1383.0
40°	1245.3	1262.0	1293.7	1327.2	1334.6
42.5°	1183.8	1202.4	1237.8	1271.3	1284.3
45°	1120.5	1144.7	1182.0	1219.2	1230.4
47.5°	1057.3	1083.3	1122.4	1163.4	1176.4
50°	995.8	1020.0	1062.8	1105.7	1118.7
52.5°	927.0	954.9	1001.4	1047.9	1061.0
55°	860.0	887.9	940.0	986.5	1003.3
57.5°	791.1	822.7	876.7	925.1	940.0
60°	722.2	755.7	813.4	861.8	880.4
62.5°	653.3	685.0	748.3	796.7	813.4
65°	586.3	616.1	681.3	733.4	750.1
67.5°	513.7	547.2	614.3	668.2	683.1
70°	443.0	476.5	547.2	603.1	618.0
72.5°	370.4	409.5	480.2	534.2	554.7
75°	305.3	344.4	415.1	467.2	482.1
77.5°	236.4	275.5	348.1	385.3	387.2
80°	169.4	214.1	275.5	290.4	297.8
82.5°	111.7	154.5	189.9	208.5	208.5
85°	65.1	93.1	109.8	108.0	106.1
87.5°	24.2	31.6	26.1	18.6	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)