

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: P302331

Luminaire Tested: **ZX-WO-75H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302331
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-75H930-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

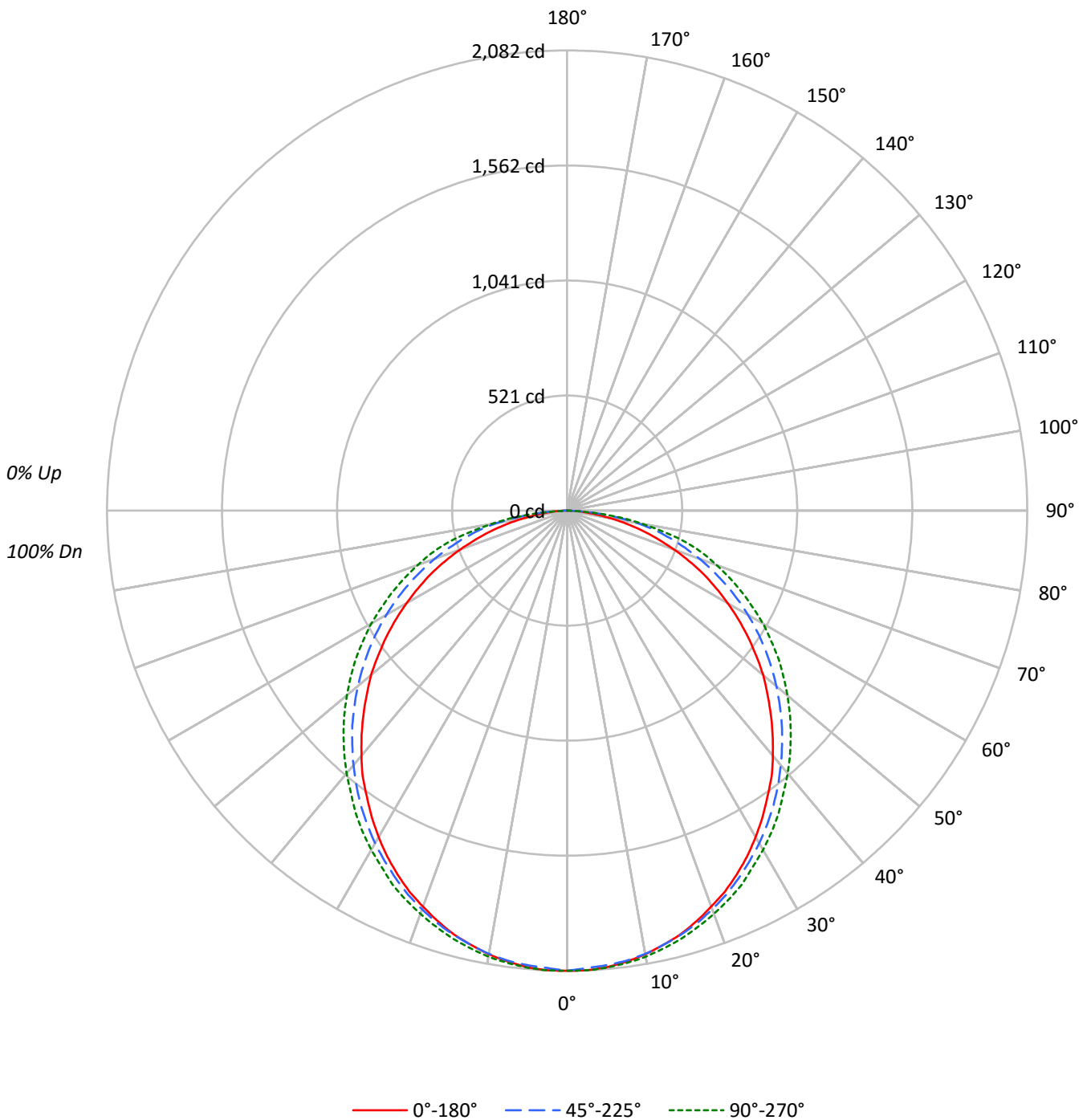
Lumens per Lamp: N/A
Luminaire Lumens: 6060.4 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.6
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°	2801	2801	2801
5°	2800	2789	2803
10°	2786	2782	2800
15°	2765	2768	2792
20°	2730	2749	2780
25°	2696	2725	2773
30°	2650	2700	2754
35°	2595	2673	2741
40°	2543	2642	2726
45°	2479	2615	2722
50°	2424	2587	2723
55°	2346	2564	2737
60°	2260	2545	2755
65°	2171	2522	2777
70°	2026	2503	2827
75°	1845	2509	2914
80°	1526	2482	2683
85°	1170	1971	1905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	3.2
10°-20°	562.1	9.3
20°-30°	847.9	14.0
30°-40°	1018.0	16.8
40°-50°	1058.7	17.5
50°-60°	973.7	16.1
60°-70°	776.0	12.8
70°-80°	491.7	8.1
80°-90°	135.2	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°	1606.9	26.5
0°-40°	2624.9	43.3
0°-60°	4657.4	76.8
0°-90°	6060.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6060.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2082	2082	2082	2082	2082	
5°	2073	2073	2065	2076	2076	197
15°	1985	1985	1987	2002	2004	559
25°	1816	1824	1835	1861	1868	836
35°	1580	1597	1628	1658	1669	990
45°	1303	1331	1374	1418	1431	1006
55°	1000	1032	1093	1147	1167	894
65°	682	716	792	853	872	672
75°	355	400	483	543	561	373
85°	76	108	128	126	123	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2082.1	2082.1	2082.1	2082.1	2082.1
2.5°	2082.1	2082.1	2071.3	2082.1	2082.1
5°	2073.4	2073.4	2064.8	2075.6	2075.6
7.5°	2058.3	2060.4	2053.9	2064.8	2064.8
10°	2038.8	2041.0	2036.6	2049.6	2049.6
12.5°	2012.8	2015.0	2012.8	2028.0	2028.0
15°	1984.7	1984.7	1986.9	2002.0	2004.2
17.5°	1947.9	1952.2	1956.5	1973.9	1973.9
20°	1906.8	1913.3	1919.8	1941.4	1941.4
22.5°	1865.6	1872.1	1880.8	1902.4	1906.8
25°	1815.9	1824.5	1835.3	1861.3	1867.8
27.5°	1763.9	1770.4	1787.7	1815.9	1818.0
30°	1705.5	1716.3	1738.0	1766.1	1772.6
32.5°	1644.9	1660.0	1683.8	1716.3	1722.8
35°	1580.0	1597.3	1627.6	1657.9	1668.7
37.5°	1519.4	1532.3	1567.0	1601.6	1608.1
40°	1447.9	1467.4	1504.2	1543.2	1551.8
42.5°	1376.5	1398.2	1439.3	1478.2	1493.4
45°	1302.9	1331.1	1374.3	1417.6	1430.6
47.5°	1229.3	1259.6	1305.1	1352.7	1367.9
50°	1157.9	1186.0	1235.8	1285.6	1300.8
52.5°	1077.8	1110.3	1164.4	1218.5	1233.7
55°	999.9	1032.4	1093.0	1147.1	1166.6
57.5°	919.8	956.6	1019.4	1075.7	1093.0
60°	839.8	878.7	945.8	1002.1	1023.7
62.5°	759.7	796.5	870.1	926.3	945.8
65°	681.8	716.4	792.1	852.7	872.2
67.5°	597.4	636.3	714.2	777.0	794.3
70°	515.1	554.1	636.3	701.2	718.6
72.5°	430.7	476.2	558.4	621.2	645.0
75°	354.9	400.4	482.6	543.2	560.6
77.5°	274.9	320.3	404.7	448.0	450.2
80°	197.0	248.9	320.3	337.6	346.3
82.5°	129.9	179.6	220.8	242.4	242.4
85°	75.8	108.2	127.7	125.5	123.4
87.5°	28.1	36.8	30.3	21.6	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)