

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: P302301

Luminaire Tested: **ZX-WO-75H830-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302301  
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-75H830-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

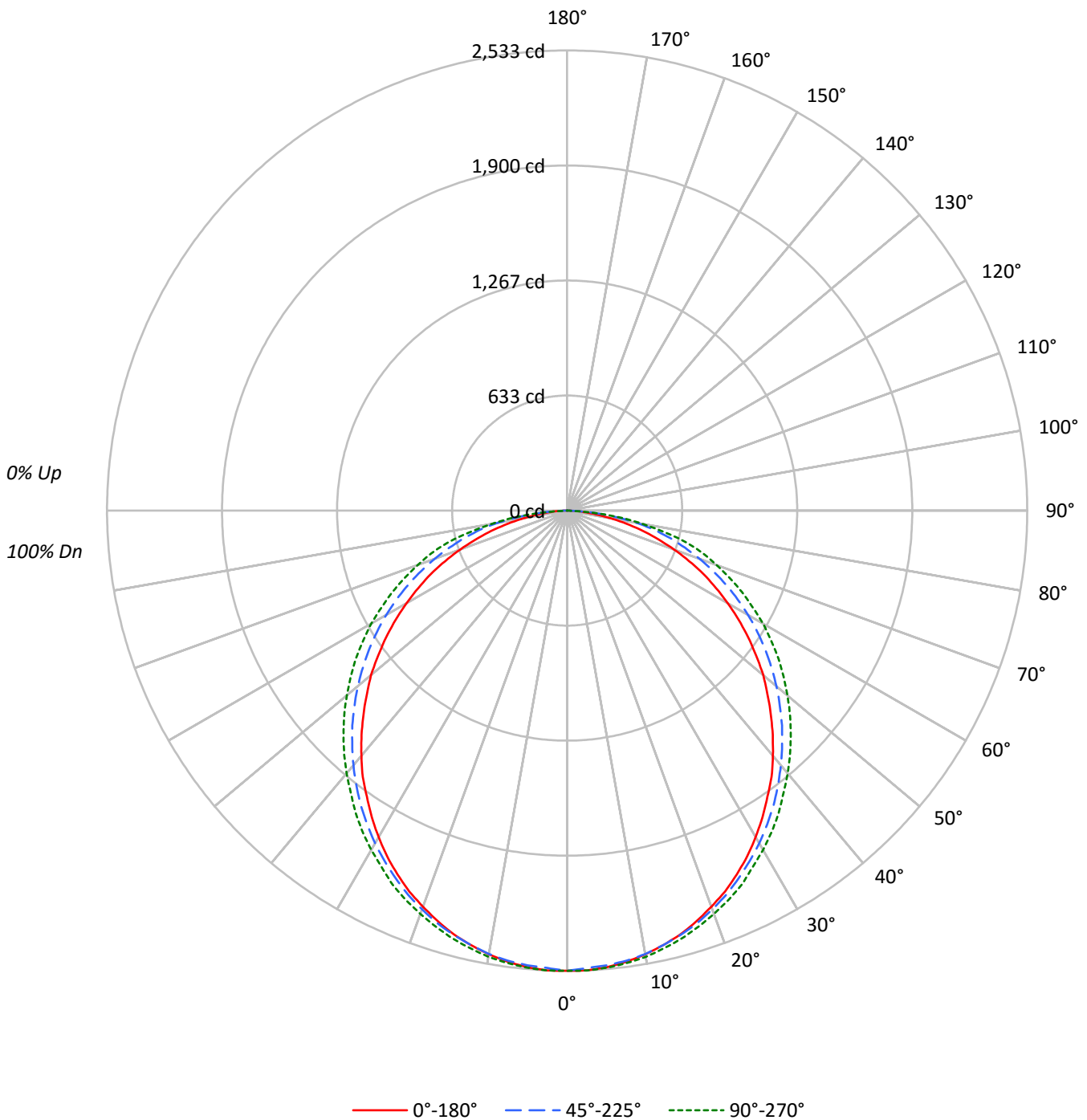
Lumens per Lamp: N/A  
Luminaire Lumens: 7374.1 lumens  
Efficiency: N/A  
Efficacy: 140.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	3409	3409	3409
5°	3408	3393	3411
10°	3389	3386	3407
15°	3364	3367	3397
20°	3322	3345	3382
25°	3280	3315	3374
30°	3224	3285	3351
35°	3158	3253	3335
40°	3094	3215	3316
45°	3017	3182	3312
50°	2949	3148	3313
55°	2854	3120	3330
60°	2750	3097	3352
65°	2641	3069	3379
70°	2466	3046	3439
75°	2245	3053	3546
80°	1857	3020	3265
85°	1423	2399	2317



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.5	3.2
10°-20°	683.9	9.3
20°-30°	1031.8	14.0
30°-40°	1238.7	16.8
40°-50°	1288.2	17.5
50°-60°	1184.8	16.1
60°-70°	944.2	12.8
70°-80°	598.4	8.1
80°-90°	164.6	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°	1955.2	26.5
0°-40°	3193.9	43.3
0°-60°	5667.0	76.8
0°-90°	7374.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7374.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2533	2533	2533	2533	2533	
5°	2523	2523	2512	2526	2526	239
15°	2415	2415	2418	2436	2439	680
25°	2210	2220	2233	2265	2273	1018
35°	1922	1944	1980	2017	2030	1204
45°	1585	1620	1672	1725	1741	1224
55°	1217	1256	1330	1396	1419	1087
65°	830	872	964	1038	1061	818
75°	432	487	587	661	682	454
85°	92	132	155	153	150	110
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2533.4	2533.4	2533.4	2533.4	2533.4
2.5°	2533.4	2533.4	2520.2	2533.4	2533.4
5°	2522.9	2522.9	2512.3	2525.5	2525.5
7.5°	2504.4	2507.1	2499.2	2512.3	2512.3
10°	2480.7	2483.4	2478.1	2493.9	2493.9
12.5°	2449.1	2451.8	2449.1	2467.6	2467.6
15°	2414.9	2414.9	2417.5	2436.0	2438.6
17.5°	2370.1	2375.4	2380.7	2401.7	2401.7
20°	2320.1	2328.0	2335.9	2362.2	2362.2
22.5°	2270.1	2278.0	2288.5	2314.8	2320.1
25°	2209.5	2220.0	2233.2	2264.8	2272.7
27.5°	2146.3	2154.2	2175.2	2209.5	2212.1
30°	2075.2	2088.3	2114.7	2148.9	2156.8
32.5°	2001.4	2019.9	2048.8	2088.3	2096.2
35°	1922.4	1943.5	1980.4	2017.2	2030.4
37.5°	1848.7	1864.5	1906.6	1948.8	1956.7
40°	1761.8	1785.5	1830.3	1877.7	1888.2
42.5°	1674.9	1701.2	1751.3	1798.7	1817.1
45°	1585.3	1619.6	1672.3	1724.9	1740.7
47.5°	1495.8	1532.7	1588.0	1645.9	1664.4
50°	1408.9	1443.1	1503.7	1564.3	1582.7
52.5°	1311.5	1351.0	1416.8	1482.6	1501.1
55°	1216.7	1256.2	1329.9	1395.7	1419.4
57.5°	1119.2	1164.0	1240.4	1308.8	1329.9
60°	1021.8	1069.2	1150.8	1219.3	1245.6
62.5°	924.3	969.1	1058.7	1127.1	1150.8
65°	829.5	871.7	963.9	1037.6	1061.3
67.5°	726.8	774.2	869.0	945.4	966.5
70°	626.8	674.2	774.2	853.2	874.3
72.5°	524.1	579.4	679.4	755.8	784.8
75°	431.9	487.2	587.3	661.0	682.1
77.5°	334.5	389.8	492.5	545.1	547.8
80°	239.6	302.8	389.8	410.8	421.4
82.5°	158.0	218.6	268.6	294.9	294.9
85°	92.2	131.7	155.4	152.7	150.1
87.5°	34.2	44.8	36.9	26.3	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)