

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: P302241

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302241  
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: RX-WO-75H830-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

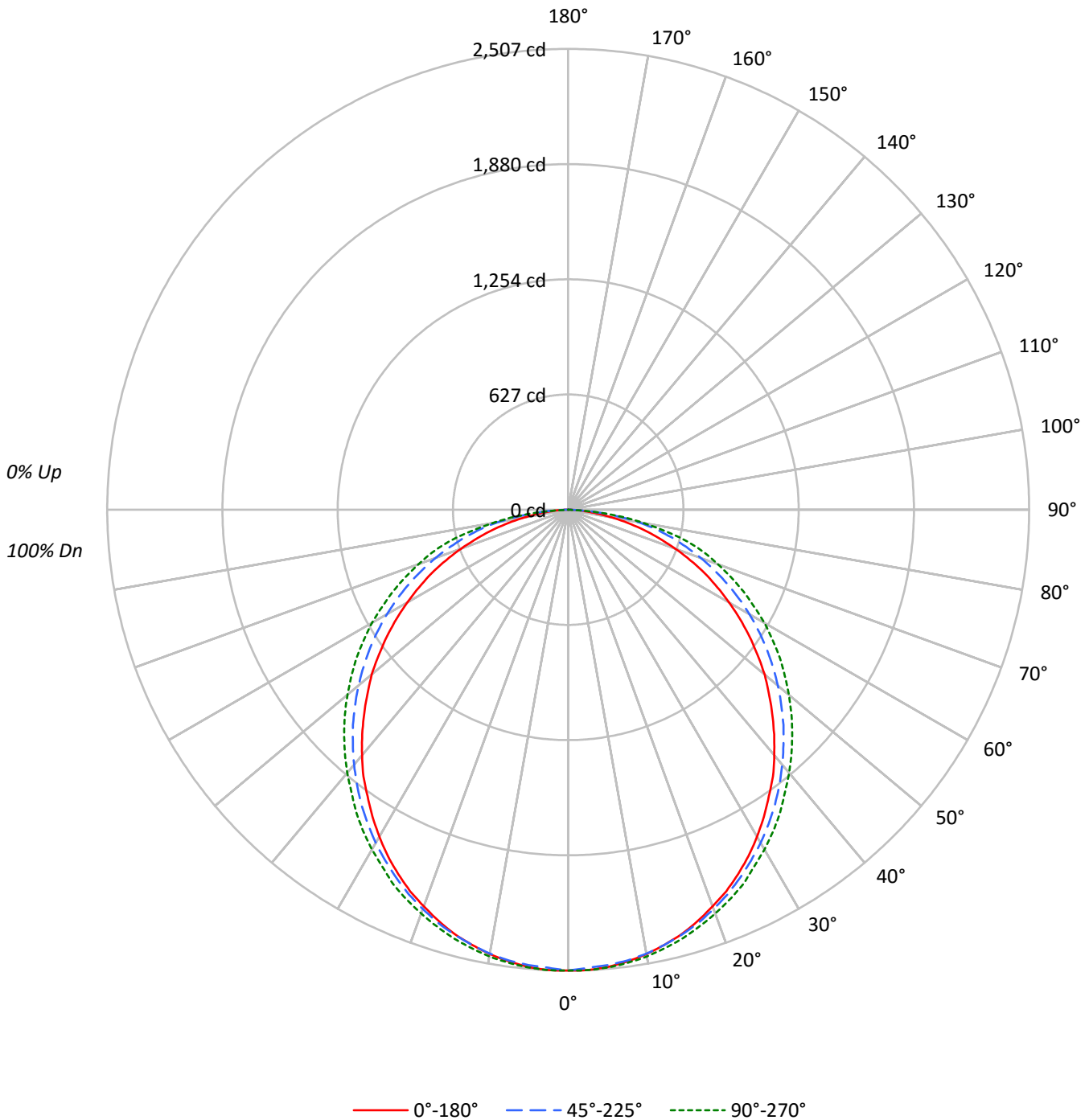
Lumens per Lamp: N/A  
Luminaire Lumens: 7297.9 lumens  
Efficiency: N/A  
Efficacy: 138.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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	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					100			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3373	3373	3373
5°	3372	3358	3376
10°	3354	3351	3372
15°	3329	3333	3362
20°	3288	3310	3347
25°	3246	3281	3339
30°	3191	3251	3316
35°	3125	3219	3301
40°	3062	3181	3282
45°	2986	3149	3278
50°	2919	3115	3279
55°	2825	3088	3295
60°	2721	3065	3317
65°	2614	3037	3344
70°	2440	3014	3404
75°	2222	3021	3509
80°	1838	2989	3231
85°	1408	2374	2294



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.1	3.2
10°-20°	676.9	9.3
20°-30°	1021.1	14.0
30°-40°	1225.9	16.8
40°-50°	1274.9	17.5
50°-60°	1172.5	16.1
60°-70°	934.5	12.8
70°-80°	592.2	8.1
80°-90°	162.9	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°	1935.0	26.5
0°-40°	3160.9	43.3
0°-60°	5608.4	76.8
0°-90°	7297.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7297.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2507	2507	2507	2507	2507	
5°	2497	2497	2486	2499	2499	237
15°	2390	2390	2392	2411	2413	673
25°	2187	2197	2210	2241	2249	1007
35°	1903	1923	1960	1996	2009	1192
45°	1569	1603	1655	1707	1723	1211
55°	1204	1243	1316	1381	1405	1076
65°	821	863	954	1027	1050	809
75°	427	482	581	654	675	450
85°	91	130	154	151	149	109
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2507.2	2507.2	2507.2	2507.2	2507.2
2.5°	2507.2	2507.2	2494.2	2507.2	2507.2
5°	2496.8	2496.8	2486.4	2499.4	2499.4
7.5°	2478.5	2481.1	2473.3	2486.4	2486.4
10°	2455.1	2457.7	2452.5	2468.1	2468.1
12.5°	2423.8	2426.4	2423.8	2442.0	2442.0
15°	2389.9	2389.9	2392.5	2410.8	2413.4
17.5°	2345.6	2350.8	2356.0	2376.9	2376.9
20°	2296.1	2303.9	2311.7	2337.8	2337.8
22.5°	2246.6	2254.4	2264.8	2290.9	2296.1
25°	2186.6	2197.1	2210.1	2241.4	2249.2
27.5°	2124.1	2131.9	2152.8	2186.6	2189.2
30°	2053.7	2066.8	2092.8	2126.7	2134.5
32.5°	1980.7	1999.0	2027.7	2066.8	2074.6
35°	1902.6	1923.4	1959.9	1996.4	2009.4
37.5°	1829.6	1845.2	1886.9	1928.6	1936.4
40°	1743.6	1767.0	1811.3	1858.3	1868.7
42.5°	1657.6	1683.6	1733.2	1780.1	1798.3
45°	1569.0	1602.8	1655.0	1707.1	1722.7
47.5°	1480.3	1516.8	1571.6	1628.9	1647.1
50°	1394.3	1428.2	1488.2	1548.1	1566.4
52.5°	1297.9	1337.0	1402.2	1467.3	1485.6
55°	1204.1	1243.2	1316.2	1381.3	1404.8
57.5°	1107.7	1152.0	1227.5	1295.3	1316.2
60°	1011.2	1058.1	1138.9	1206.7	1232.8
62.5°	914.8	959.1	1047.7	1115.5	1138.9
65°	821.0	862.7	953.9	1026.9	1050.3
67.5°	719.3	766.2	860.1	935.6	956.5
70°	620.3	667.2	766.2	844.4	865.3
72.5°	518.6	573.4	672.4	748.0	776.7
75°	427.4	482.2	581.2	654.2	675.0
77.5°	331.0	385.7	487.4	539.5	542.1
80°	237.2	299.7	385.7	406.6	417.0
82.5°	156.4	216.3	265.8	291.9	291.9
85°	91.2	130.3	153.8	151.2	148.6
87.5°	33.9	44.3	36.5	26.1	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)