

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: P302341

Luminaire Tested: **ZX-WO-75H935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302341  
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-75H935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

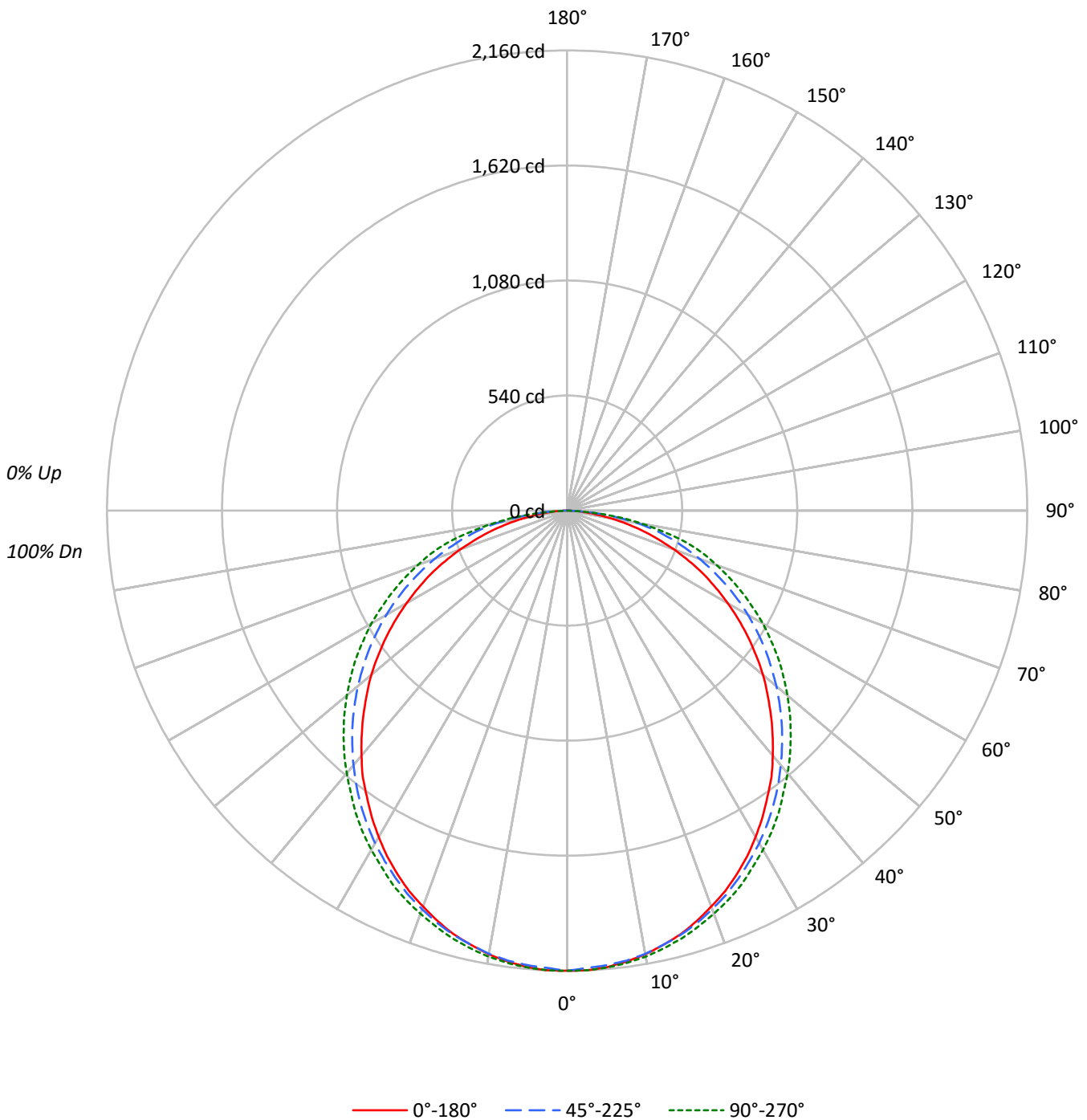
Lumens per Lamp: N/A  
Luminaire Lumens: 6286.5 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	2906	2906	2906
5°	2905	2893	2908
10°	2889	2886	2905
15°	2868	2871	2896
20°	2832	2851	2883
25°	2796	2826	2876
30°	2749	2801	2857
35°	2692	2773	2843
40°	2638	2741	2827
45°	2572	2713	2824
50°	2514	2683	2824
55°	2433	2660	2839
60°	2344	2640	2858
65°	2252	2616	2881
70°	2102	2596	2932
75°	1914	2602	3023
80°	1583	2575	2783
85°	1213	2046	1976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.2	3.2
10°-20°	583.1	9.3
20°-30°	879.6	14.0
30°-40°	1056.0	16.8
40°-50°	1098.2	17.5
50°-60°	1010.0	16.1
60°-70°	805.0	12.8
70°-80°	510.1	8.1
80°-90°	140.3	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°	1666.9	26.5
0°-40°	2722.9	43.3
0°-60°	4831.2	76.8
0°-90°	6286.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6286.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2160	2160	2160	2160	2160	
5°	2151	2151	2142	2153	2153	204
15°	2059	2059	2061	2077	2079	580
25°	1884	1893	1904	1931	1938	868
35°	1639	1657	1688	1720	1731	1026
45°	1352	1381	1426	1470	1484	1043
55°	1037	1071	1134	1190	1210	927
65°	707	743	822	885	905	697
75°	368	415	501	564	582	387
85°	79	112	132	130	128	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2159.8	2159.8	2159.8	2159.8	2159.8
2.5°	2159.8	2159.8	2148.5	2159.8	2159.8
5°	2150.8	2150.8	2141.8	2153.0	2153.0
7.5°	2135.1	2137.3	2130.6	2141.8	2141.8
10°	2114.9	2117.1	2112.6	2126.1	2126.1
12.5°	2087.9	2090.2	2087.9	2103.6	2103.6
15°	2058.7	2058.7	2061.0	2076.7	2078.9
17.5°	2020.6	2025.0	2029.5	2047.5	2047.5
20°	1977.9	1984.6	1991.4	2013.8	2013.8
22.5°	1935.2	1942.0	1951.0	1973.4	1977.9
25°	1883.6	1892.6	1903.8	1930.8	1937.5
27.5°	1829.7	1836.5	1854.4	1883.6	1885.9
30°	1769.1	1780.3	1802.8	1832.0	1838.7
32.5°	1706.2	1722.0	1746.7	1780.3	1787.1
35°	1638.9	1656.9	1688.3	1719.7	1730.9
37.5°	1576.0	1589.5	1625.4	1661.3	1668.1
40°	1501.9	1522.2	1560.3	1600.7	1609.7
42.5°	1427.9	1450.3	1493.0	1533.4	1549.1
45°	1351.5	1380.7	1425.6	1470.5	1484.0
47.5°	1275.2	1306.6	1353.8	1403.2	1418.9
50°	1201.1	1230.3	1281.9	1333.6	1349.3
52.5°	1118.0	1151.7	1207.8	1264.0	1279.7
55°	1037.2	1070.9	1133.8	1189.9	1210.1
57.5°	954.2	992.3	1057.4	1115.8	1133.8
60°	871.1	911.5	981.1	1039.5	1061.9
62.5°	788.0	826.2	902.5	960.9	981.1
65°	707.2	743.1	821.7	884.6	904.8
67.5°	619.6	660.0	740.9	806.0	823.9
70°	534.3	574.7	660.0	727.4	745.4
72.5°	446.8	493.9	579.2	644.3	669.0
75°	368.2	415.3	500.6	563.5	581.5
77.5°	285.1	332.3	419.8	464.7	467.0
80°	204.3	258.2	332.3	350.2	359.2
82.5°	134.7	186.3	229.0	251.4	251.4
85°	78.6	112.3	132.5	130.2	128.0
87.5°	29.2	38.2	31.4	22.5	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)