

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: P302291

Luminaire Tested: **RX-WO-75H940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302291  
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-75H940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

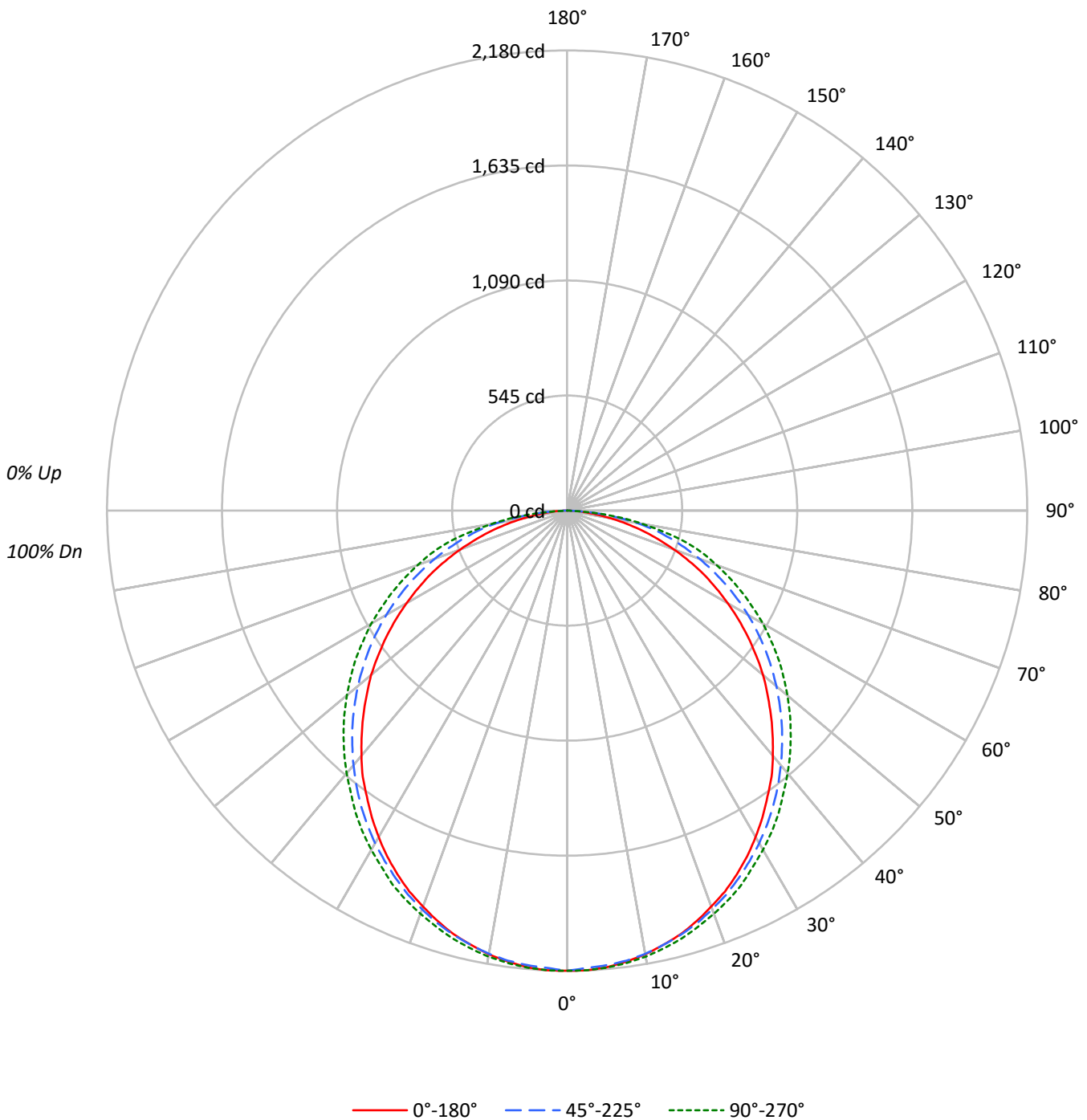
Lumens per Lamp: N/A  
Luminaire Lumens: 6345.2 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	2933	2933	2933
5°	2932	2920	2935
10°	2916	2913	2932
15°	2894	2898	2923
20°	2859	2878	2910
25°	2822	2853	2903
30°	2774	2827	2883
35°	2717	2799	2870
40°	2663	2766	2854
45°	2596	2738	2850
50°	2538	2708	2851
55°	2456	2684	2865
60°	2366	2665	2884
65°	2273	2641	2907
70°	2122	2621	2960
75°	1932	2627	3051
80°	1598	2599	2810
85°	1224	2064	1995



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.1	3.2
10°-20°	588.5	9.3
20°-30°	887.8	14.0
30°-40°	1065.9	16.8
40°-50°	1108.5	17.5
50°-60°	1019.5	16.1
60°-70°	812.5	12.8
70°-80°	514.9	8.1
80°-90°	141.6	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°	1682.4	26.5
0°-40°	2748.3	43.3
0°-60°	4876.3	76.8
0°-90°	6345.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6345.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2180	2180	2180	2180	2180	
5°	2171	2171	2162	2173	2173	206
15°	2078	2078	2080	2096	2098	586
25°	1901	1910	1922	1949	1956	876
35°	1654	1672	1704	1736	1747	1036
45°	1364	1394	1439	1484	1498	1053
55°	1047	1081	1144	1201	1221	936
65°	714	750	829	893	913	704
75°	372	419	505	569	587	391
85°	79	113	134	131	129	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2179.9	2179.9	2179.9	2179.9	2179.9
2.5°	2179.9	2179.9	2168.6	2179.9	2179.9
5°	2170.9	2170.9	2161.8	2173.1	2173.1
7.5°	2155.0	2157.3	2150.5	2161.8	2161.8
10°	2134.6	2136.9	2132.3	2145.9	2145.9
12.5°	2107.4	2109.7	2107.4	2123.3	2123.3
15°	2077.9	2077.9	2080.2	2096.1	2098.3
17.5°	2039.4	2044.0	2048.5	2066.6	2066.6
20°	1996.4	2003.2	2010.0	2032.6	2032.6
22.5°	1953.3	1960.1	1969.2	1991.8	1996.4
25°	1901.2	1910.3	1921.6	1948.8	1955.6
27.5°	1846.8	1853.6	1871.7	1901.2	1903.5
30°	1785.6	1797.0	1819.6	1849.1	1855.9
32.5°	1722.2	1738.0	1763.0	1797.0	1803.8
35°	1654.2	1672.3	1704.1	1735.8	1747.1
37.5°	1590.7	1604.3	1640.6	1676.9	1683.7
40°	1516.0	1536.4	1574.9	1615.7	1624.7
42.5°	1441.2	1463.9	1506.9	1547.7	1563.6
45°	1364.1	1393.6	1438.9	1484.2	1497.8
47.5°	1287.1	1318.8	1366.4	1416.3	1432.1
50°	1212.3	1241.8	1293.9	1346.0	1361.9
52.5°	1128.5	1162.5	1219.1	1275.8	1291.6
55°	1046.9	1080.9	1144.3	1201.0	1221.4
57.5°	963.1	1001.6	1067.3	1126.2	1144.3
60°	879.2	920.0	990.3	1049.2	1071.8
62.5°	795.4	833.9	910.9	969.9	990.3
65°	713.8	750.1	829.4	892.8	913.2
67.5°	625.4	666.2	747.8	813.5	831.6
70°	539.3	580.1	666.2	734.2	752.3
72.5°	450.9	498.5	584.6	650.3	675.3
75°	371.6	419.2	505.3	568.8	586.9
77.5°	287.8	335.4	423.7	469.1	471.3
80°	206.2	260.6	335.4	353.5	362.6
82.5°	136.0	188.1	231.1	253.8	253.8
85°	79.3	113.3	133.7	131.4	129.2
87.5°	29.5	38.5	31.7	22.7	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)