

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: P302271

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302271  
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-75H930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

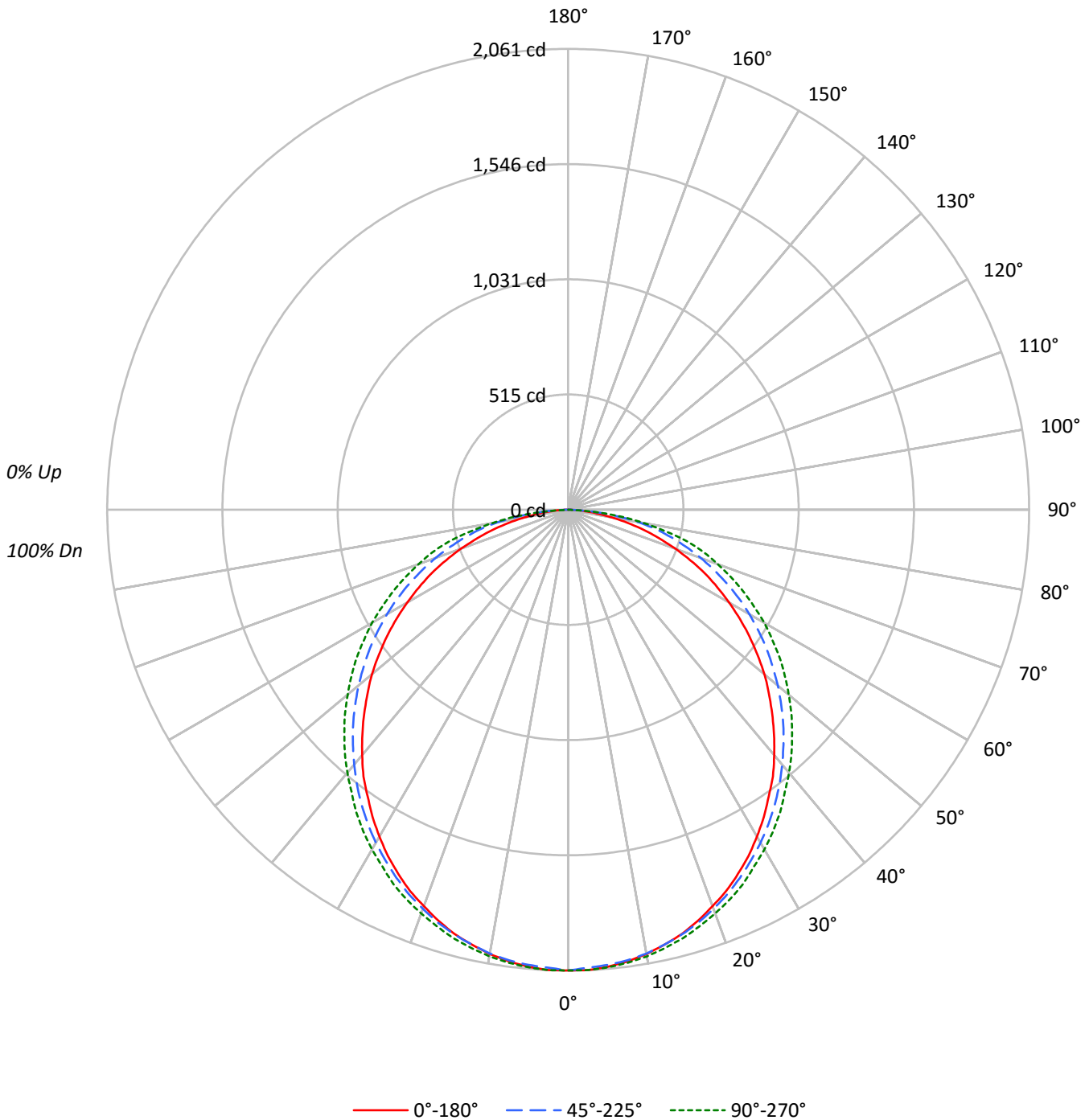
Lumens per Lamp: N/A  
Luminaire Lumens: 5997.8 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	2773	2773	2773
5°	2771	2760	2774
10°	2757	2754	2771
15°	2736	2739	2763
20°	2702	2720	2751
25°	2668	2697	2744
30°	2622	2672	2726
35°	2568	2646	2712
40°	2517	2615	2697
45°	2454	2588	2694
50°	2399	2560	2695
55°	2321	2537	2708
60°	2236	2519	2726
65°	2148	2496	2748
70°	2006	2477	2797
75°	1826	2483	2884
80°	1510	2456	2655
85°	1158	1951	1885



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.8	3.2
10°-20°	556.3	9.3
20°-30°	839.2	14.0
30°-40°	1007.5	16.8
40°-50°	1047.8	17.5
50°-60°	963.6	16.1
60°-70°	768.0	12.8
70°-80°	486.7	8.1
80°-90°	133.8	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°	1590.3	26.5
0°-40°	2597.8	43.3
0°-60°	4609.2	76.8
0°-90°	5997.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5997.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2061	2061	2061	2061	2061	
5°	2052	2052	2043	2054	2054	195
15°	1964	1964	1966	1981	1983	553
25°	1797	1806	1816	1842	1848	828
35°	1564	1581	1611	1641	1651	979
45°	1290	1317	1360	1403	1416	996
55°	990	1022	1082	1135	1154	884
65°	675	709	784	844	863	665
75°	351	396	478	538	555	370
85°	75	107	126	124	122	89
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2060.6	2060.6	2049.8	2060.6	2060.6
5°	2052.0	2052.0	2043.4	2054.1	2054.1
7.5°	2037.0	2039.1	2032.7	2043.4	2043.4
10°	2017.7	2019.9	2015.6	2028.4	2028.4
12.5°	1992.0	1994.2	1992.0	2007.0	2007.0
15°	1964.2	1964.2	1966.3	1981.3	1983.4
17.5°	1927.8	1932.0	1936.3	1953.5	1953.5
20°	1887.1	1893.5	1899.9	1921.3	1921.3
22.5°	1846.4	1852.8	1861.4	1882.8	1887.1
25°	1797.1	1805.7	1816.4	1842.1	1848.5
27.5°	1745.7	1752.1	1769.2	1797.1	1799.2
30°	1687.9	1698.6	1720.0	1747.8	1754.3
32.5°	1627.9	1642.9	1666.4	1698.6	1705.0
35°	1563.6	1580.8	1610.7	1640.7	1651.4
37.5°	1503.6	1516.5	1550.8	1585.0	1591.5
40°	1433.0	1452.2	1488.7	1527.2	1535.8
42.5°	1362.3	1383.7	1424.4	1462.9	1477.9
45°	1289.5	1317.3	1360.1	1403.0	1415.8
47.5°	1216.6	1246.6	1291.6	1338.7	1353.7
50°	1145.9	1173.8	1223.1	1272.3	1287.3
52.5°	1066.7	1098.8	1152.4	1205.9	1220.9
55°	989.6	1021.7	1081.7	1135.2	1154.5
57.5°	910.3	946.7	1008.9	1064.5	1081.7
60°	831.1	869.6	936.0	991.7	1013.1
62.5°	751.8	788.2	861.1	916.8	936.0
65°	674.7	709.0	784.0	843.9	863.2
67.5°	591.2	629.7	706.8	769.0	786.1
70°	509.8	548.3	629.7	694.0	711.1
72.5°	426.2	471.2	552.6	614.7	638.3
75°	351.3	396.3	477.7	537.6	554.8
77.5°	272.0	317.0	400.5	443.4	445.5
80°	194.9	246.3	317.0	334.1	342.7
82.5°	128.5	177.8	218.5	239.9	239.9
85°	75.0	107.1	126.4	124.2	122.1
87.5°	27.8	36.4	30.0	21.4	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)