

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: P302289

Luminaire Tested: **RX-WO-65H940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302289  
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-65H940-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**

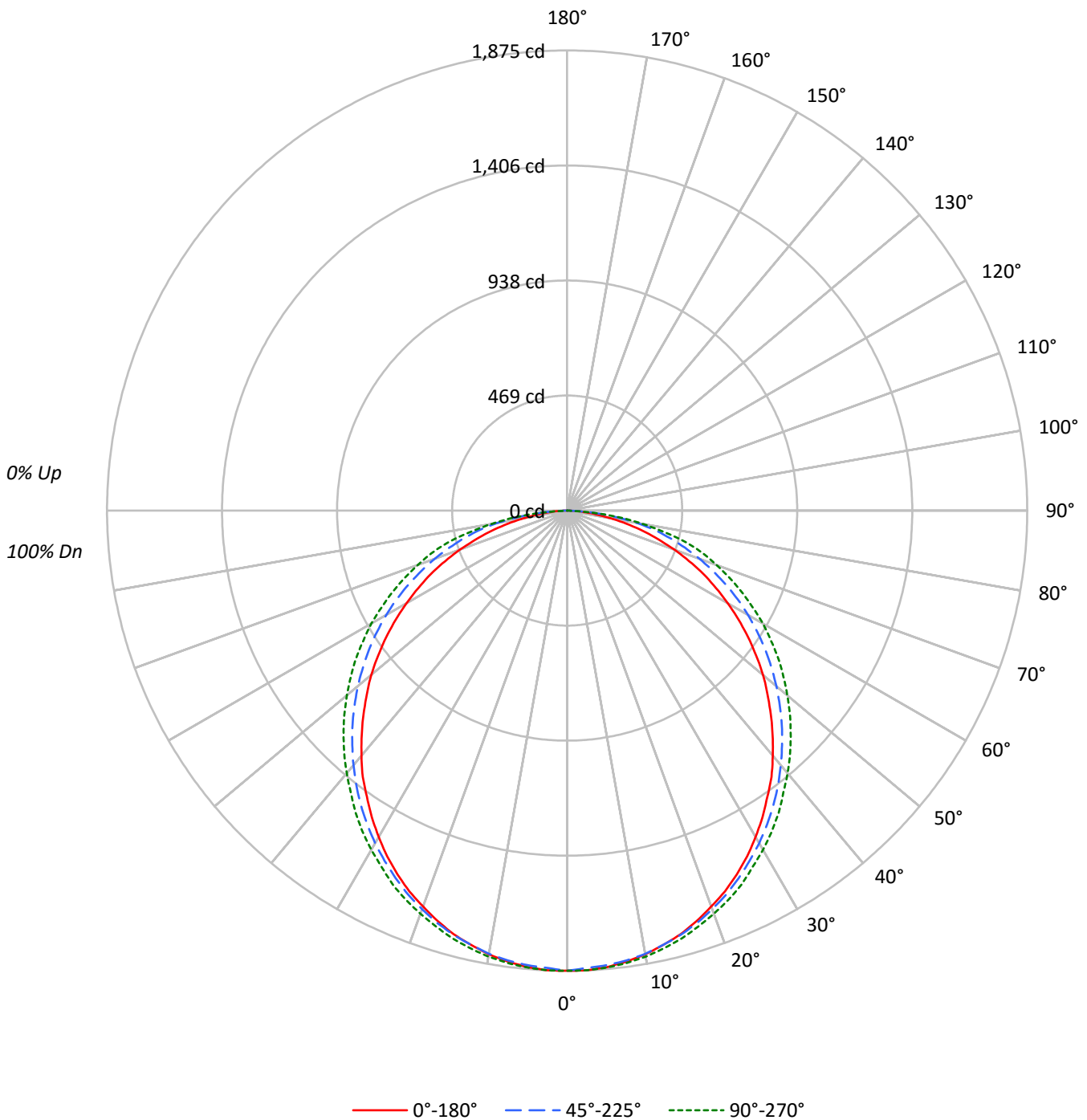
Lumens per Lamp: N/A  
Luminaire Lumens: 5457.0 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 46.1  
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°	2523	2523	2523
5°	2522	2511	2524
10°	2508	2505	2521
15°	2489	2492	2514
20°	2458	2475	2503
25°	2427	2453	2497
30°	2386	2431	2480
35°	2337	2407	2468
40°	2290	2379	2454
45°	2232	2355	2451
50°	2182	2329	2452
55°	2112	2309	2464
60°	2035	2292	2481
65°	1954	2271	2500
70°	1825	2254	2545
75°	1661	2259	2624
80°	1374	2235	2416
85°	1053	1775	1715



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.3	3.2
10°-20°	506.1	9.3
20°-30°	763.5	14.0
30°-40°	916.7	16.8
40°-50°	953.3	17.5
50°-60°	876.8	16.1
60°-70°	698.8	12.8
70°-80°	442.8	8.1
80°-90°	121.8	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°	1446.9	26.5
0°-40°	2363.6	43.3
0°-60°	4193.7	76.8
0°-90°	5457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5457.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1875	1875	1875	1875	1875	
5°	1867	1867	1859	1869	1869	177
15°	1787	1787	1789	1803	1805	504
25°	1635	1643	1653	1676	1682	753
35°	1423	1438	1466	1493	1502	891
45°	1173	1198	1238	1276	1288	906
55°	900	930	984	1033	1050	805
65°	614	645	713	768	785	605
75°	320	360	435	489	505	336
85°	68	97	115	113	111	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1874.8	1874.8	1874.8	1874.8	1874.8
2.5°	1874.8	1874.8	1865.0	1874.8	1874.8
5°	1867.0	1867.0	1859.2	1868.9	1868.9
7.5°	1853.3	1855.3	1849.4	1859.2	1859.2
10°	1835.8	1837.7	1833.8	1845.5	1845.5
12.5°	1812.4	1814.4	1812.4	1826.1	1826.1
15°	1787.1	1787.1	1789.0	1802.7	1804.6
17.5°	1753.9	1757.8	1761.7	1777.3	1777.3
20°	1716.9	1722.8	1728.6	1748.1	1748.1
22.5°	1679.9	1685.7	1693.5	1713.0	1716.9
25°	1635.1	1642.9	1652.6	1676.0	1681.8
27.5°	1588.3	1594.1	1609.7	1635.1	1637.0
30°	1535.7	1545.4	1564.9	1590.2	1596.1
32.5°	1481.1	1494.8	1516.2	1545.4	1551.3
35°	1422.6	1438.2	1465.5	1492.8	1502.5
37.5°	1368.1	1379.8	1411.0	1442.1	1448.0
40°	1303.8	1321.3	1354.4	1389.5	1397.3
42.5°	1239.5	1258.9	1296.0	1331.1	1344.7
45°	1173.2	1198.5	1237.5	1276.5	1288.2
47.5°	1106.9	1134.2	1175.1	1218.0	1231.7
50°	1042.6	1068.0	1112.8	1157.6	1171.2
52.5°	970.5	999.8	1048.5	1097.2	1110.8
55°	900.4	929.6	984.2	1032.9	1050.4
57.5°	828.3	861.4	917.9	968.6	984.2
60°	756.1	791.2	851.6	902.3	921.8
62.5°	684.0	717.2	783.4	834.1	851.6
65°	613.9	645.1	713.3	767.8	785.4
67.5°	537.9	573.0	643.1	699.6	715.2
70°	463.8	498.9	573.0	631.4	647.0
72.5°	387.8	428.7	502.8	559.3	580.8
75°	319.6	360.5	434.6	489.2	504.7
77.5°	247.5	288.4	364.4	403.4	405.4
80°	177.3	224.1	288.4	304.0	311.8
82.5°	116.9	161.8	198.8	218.3	218.3
85°	68.2	97.4	115.0	113.0	111.1
87.5°	25.3	33.1	27.3	19.5	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)