

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: P302038

Luminaire Tested: **RX-WO-60L840-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-60L840-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (196)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

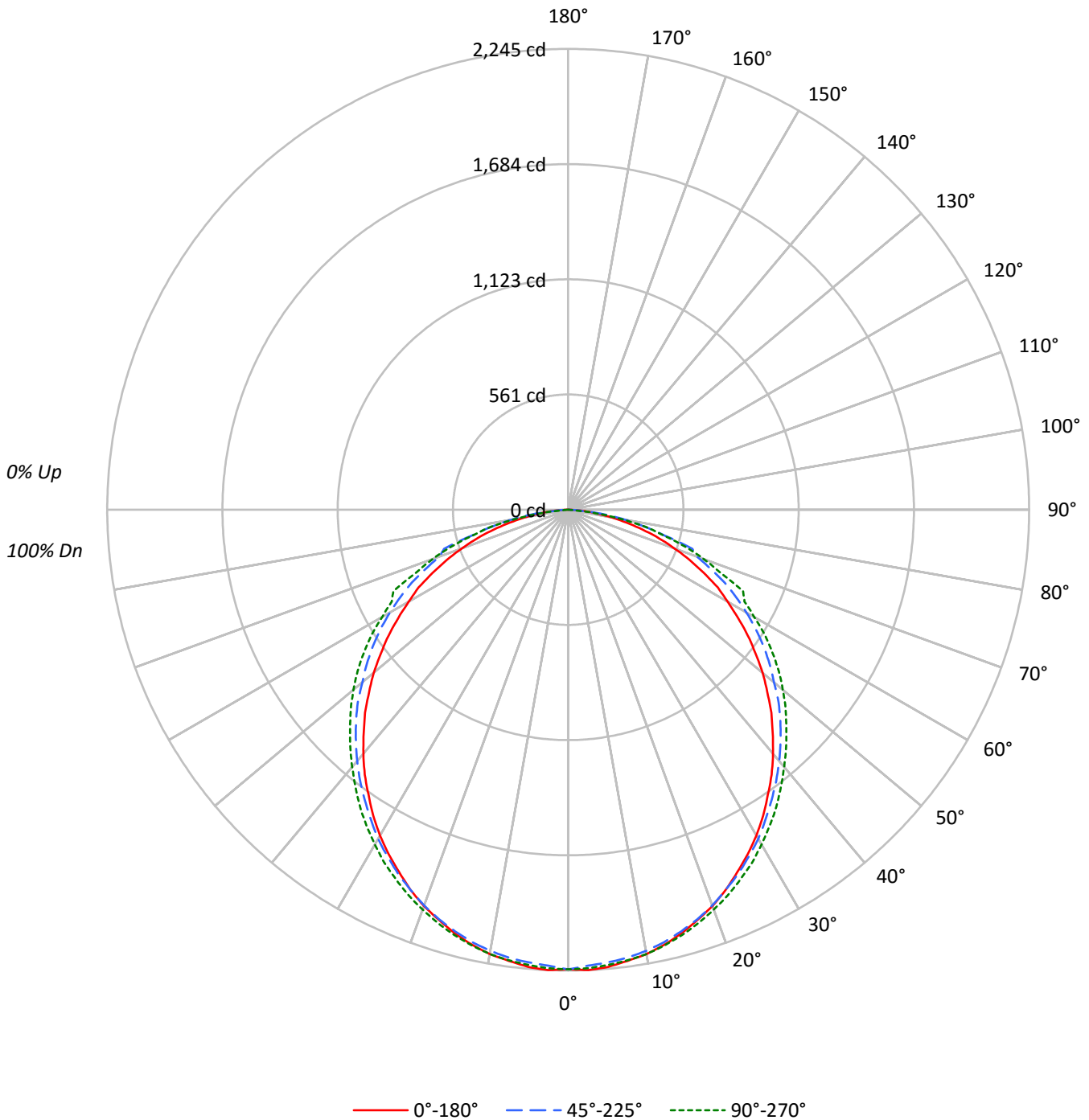
Lumens per Lamp: N/A  
Luminaire Lumens: 6365.8 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 48.3  
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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

	0°	45°	90°
0°	6025	6025	6025
5°	6039	5980	6014
10°	6007	5964	6007
15°	5950	5924	5976
20°	5884	5875	5938
25°	5785	5813	5897
30°	5695	5754	5851
35°	5570	5673	5806
40°	5452	5616	5748
45°	5324	5562	5716
50°	5177	5478	5713
55°	5010	5450	5699
60°	4823	5394	5630
65°	4633	5349	5985
70°	4324	5233	5528
75°	3896	5064	4968
80°	3290	4355	4113
85°	2411	2121	772



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.4	3.3
10°-20°	602.6	9.5
20°-30°	905.9	14.2
30°-40°	1083.6	17.0
40°-50°	1123.5	17.6
50°-60°	1030.3	16.2
60°-70°	819.5	12.9
70°-80°	487.0	7.6
80°-90°	102.1	1.6
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°	1719.9	27.0
0°-40°	2803.5	44.0
0°-60°	4957.2	77.9
0°-90°	6365.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6365.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2239	2239	2239	2239	2239	
5°	2236	2230	2214	2230	2226	212
15°	2136	2133	2126	2145	2145	602
25°	1948	1952	1958	1986	1986	898
35°	1696	1705	1727	1761	1767	1062
45°	1399	1421	1461	1493	1502	1077
55°	1068	1105	1162	1208	1215	953
65°	728	771	840	874	940	720
75°	375	428	487	484	478	398
85°	78	97	69	38	25	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2238.9	2238.9	2238.9	2238.9	2238.9
2.5°	2245.1	2238.9	2223.3	2238.9	2235.8
5°	2235.8	2229.5	2213.9	2229.5	2226.4
7.5°	2217.0	2213.9	2201.4	2217.0	2213.9
10°	2198.3	2192.0	2182.7	2198.3	2198.3
12.5°	2170.2	2163.9	2157.7	2176.4	2173.3
15°	2135.8	2132.7	2126.5	2145.2	2145.2
17.5°	2095.2	2095.2	2092.1	2110.9	2110.9
20°	2054.6	2051.5	2051.5	2073.4	2073.4
22.5°	2004.7	2004.7	2004.7	2032.8	2032.8
25°	1948.5	1951.6	1957.8	1986.0	1986.0
27.5°	1892.3	1898.5	1904.8	1932.9	1939.1
30°	1832.9	1836.1	1851.7	1879.8	1882.9
32.5°	1767.4	1773.6	1789.2	1820.5	1826.7
35°	1695.6	1704.9	1726.8	1761.1	1767.4
37.5°	1626.9	1639.3	1664.3	1698.7	1701.8
40°	1551.9	1567.5	1598.8	1630.0	1636.2
42.5°	1473.9	1492.6	1530.1	1564.4	1570.7
45°	1398.9	1420.8	1461.4	1492.6	1502.0
47.5°	1314.6	1339.6	1389.5	1427.0	1436.4
50°	1236.5	1261.5	1308.4	1355.2	1364.6
52.5°	1149.1	1183.5	1236.5	1283.4	1292.7
55°	1067.9	1105.4	1161.6	1208.4	1214.7
57.5°	980.5	1021.1	1083.5	1127.2	1136.6
60°	896.2	939.9	1002.3	1042.9	1046.1
62.5°	821.2	858.7	921.2	958.6	968.0
65°	727.6	771.3	840.0	874.3	939.9
67.5°	640.1	683.8	749.4	865.0	802.5
70°	549.6	599.5	665.1	696.3	702.6
72.5°	465.3	515.2	633.9	599.5	596.4
75°	374.7	427.8	487.1	484.0	477.8
77.5°	290.4	346.6	381.0	384.1	384.1
80°	212.3	281.0	281.0	281.0	265.4
82.5°	137.4	181.1	181.1	156.1	140.5
85°	78.1	96.8	68.7	37.5	25.0
87.5°	28.1	21.9	6.2	6.2	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)