

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: P302255

Luminaire Tested: **RX-WO-45H840-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302255  
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-45H840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

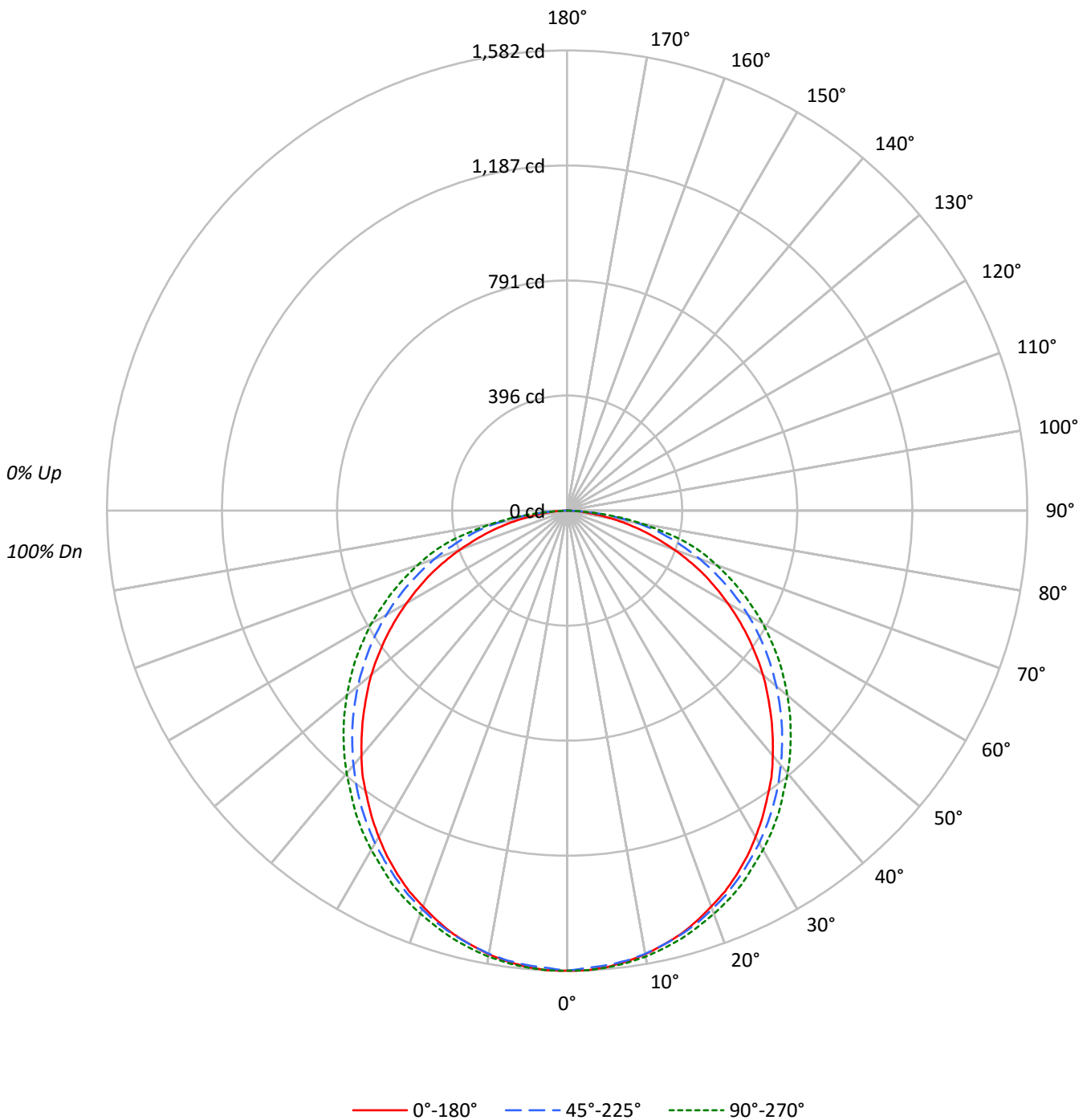
Lumens per Lamp: N/A  
Luminaire Lumens: 4604.4 lumens  
Efficiency: N/A  
Efficacy: 137.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.5  
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°	2128	2128	2128
5°	2128	2119	2130
10°	2116	2114	2128
15°	2100	2103	2121
20°	2074	2088	2112
25°	2048	2070	2107
30°	2013	2051	2092
35°	1972	2031	2082
40°	1932	2007	2071
45°	1884	1987	2068
50°	1841	1965	2069
55°	1782	1948	2079
60°	1717	1934	2093
65°	1649	1916	2110
70°	1540	1902	2148
75°	1402	1906	2214
80°	1159	1886	2039
85°	889	1497	1447



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.6	3.2
10°-20°	427.0	9.3
20°-30°	644.2	14.0
30°-40°	773.4	16.8
40°-50°	804.4	17.5
50°-60°	739.8	16.1
60°-70°	589.6	12.8
70°-80°	373.6	8.1
80°-90°	102.8	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°	1220.9	26.5
0°-40°	1994.3	43.3
0°-60°	3538.4	76.8
0°-90°	4604.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4604.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1575	1575	1569	1577	1577	150
15°	1508	1508	1510	1521	1523	425
25°	1380	1386	1394	1414	1419	635
35°	1200	1214	1236	1260	1268	752
45°	990	1011	1044	1077	1087	764
55°	760	784	830	872	886	679
65°	518	544	602	648	663	511
75°	270	304	367	413	426	284
85°	58	82	97	95	94	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1581.8	1581.8	1581.8	1581.8	1581.8
2.5°	1581.8	1581.8	1573.6	1581.8	1581.8
5°	1575.3	1575.3	1568.7	1576.9	1576.9
7.5°	1563.8	1565.4	1560.5	1568.7	1568.7
10°	1549.0	1550.6	1547.3	1557.2	1557.2
12.5°	1529.2	1530.9	1529.2	1540.7	1540.7
15°	1507.9	1507.9	1509.5	1521.0	1522.7
17.5°	1479.9	1483.2	1486.5	1499.6	1499.6
20°	1448.7	1453.6	1458.5	1475.0	1475.0
22.5°	1417.4	1422.3	1428.9	1445.4	1448.7
25°	1379.6	1386.2	1394.4	1414.1	1419.1
27.5°	1340.1	1345.1	1358.2	1379.6	1381.2
30°	1295.7	1304.0	1320.4	1341.8	1346.7
32.5°	1249.7	1261.2	1279.3	1304.0	1308.9
35°	1200.4	1213.5	1236.5	1259.6	1267.8
37.5°	1154.3	1164.2	1190.5	1216.8	1221.7
40°	1100.1	1114.9	1142.8	1172.4	1179.0
42.5°	1045.8	1062.2	1093.5	1123.1	1134.6
45°	989.9	1011.3	1044.2	1077.0	1086.9
47.5°	934.0	957.0	991.5	1027.7	1039.2
50°	879.7	901.1	938.9	976.7	988.2
52.5°	818.9	843.5	884.7	925.8	937.3
55°	759.7	784.3	830.4	871.5	886.3
57.5°	698.8	726.8	774.5	817.2	830.4
60°	638.0	667.6	718.6	761.3	777.8
62.5°	577.2	605.1	661.0	703.8	718.6
65°	518.0	544.3	601.8	647.9	662.7
67.5°	453.8	483.4	542.6	590.3	603.5
70°	391.4	420.9	483.4	532.8	545.9
72.5°	327.2	361.8	424.2	471.9	490.0
75°	269.7	304.2	366.7	412.7	425.9
77.5°	208.8	243.4	307.5	340.4	342.0
80°	149.6	189.1	243.4	256.5	263.1
82.5°	98.7	136.5	167.7	184.2	184.2
85°	57.6	82.2	97.0	95.4	93.7
87.5°	21.4	28.0	23.0	16.4	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)