

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: P302408

Luminaire Tested: **RX-WO-65L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-65L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

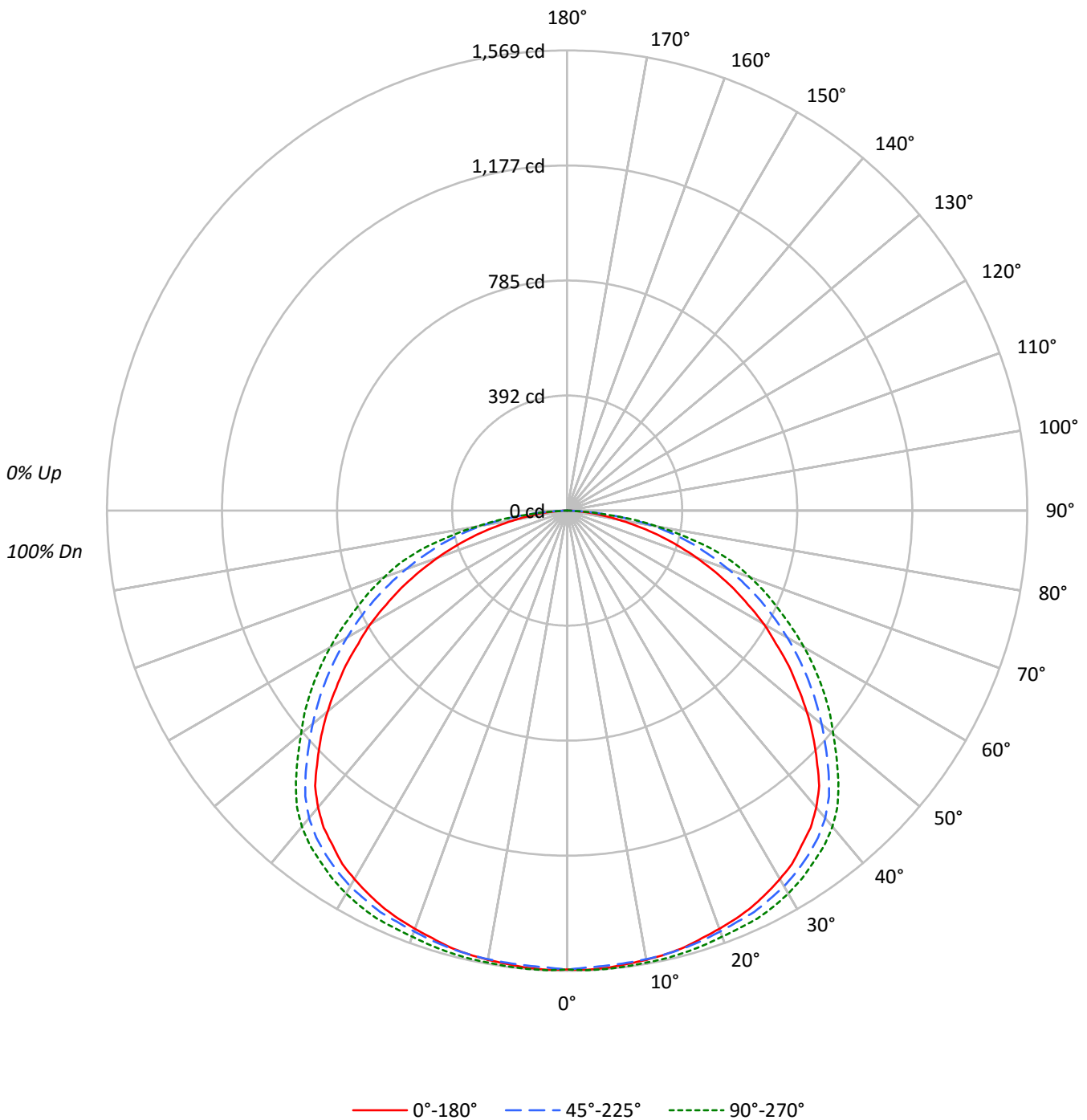
Lumens per Lamp: N/A
Luminaire Lumens: 5328.9 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.9
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	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2106	2106	2106
5°	2114	2103	2119
10°	2125	2122	2138
15°	2148	2151	2172
20°	2173	2186	2213
25°	2213	2241	2278
30°	2254	2298	2343
35°	2289	2355	2405
40°	2321	2405	2471
45°	2290	2399	2489
50°	2233	2372	2480
55°	2163	2351	2498
60°	2088	2333	2512
65°	1986	2318	2530
70°	1848	2304	2611
75°	1660	2313	2679
80°	1370	2283	2445
85°	997	1703	1585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	2.8
10°-20°	438.2	8.2
20°-30°	697.9	13.1
30°-40°	897.2	16.8
40°-50°	970.2	18.2
50°-60°	892.4	16.7
60°-70°	711.5	13.4
70°-80°	452.0	8.5
80°-90°	120.4	2.3
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°	1285.2	24.1
0°-40°	2182.3	41.0
0°-60°	4045.0	75.9
0°-90°	5328.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5328.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1565	1565	1565	1565	1565	
5°	1565	1565	1557	1567	1569	149
15°	1542	1544	1544	1557	1559	436
25°	1491	1496	1510	1527	1534	688
35°	1394	1409	1434	1460	1464	873
45°	1204	1224	1261	1295	1308	928
55°	922	949	1002	1048	1065	823
65°	624	656	728	782	795	616
75°	319	365	445	504	515	338
85°	65	101	110	110	103	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1564.9	1564.9	1564.9	1564.9	1564.9
2.5°	1566.8	1566.8	1559.2	1568.7	1568.7
5°	1564.9	1564.9	1557.3	1566.8	1568.7
7.5°	1559.2	1561.1	1555.4	1564.9	1566.8
10°	1555.4	1557.3	1553.5	1563.0	1564.9
12.5°	1549.7	1551.6	1549.7	1561.1	1563.0
15°	1542.1	1544.0	1544.0	1557.3	1559.2
17.5°	1528.7	1532.5	1536.4	1551.6	1553.5
20°	1517.3	1521.1	1526.8	1544.0	1545.9
22.5°	1505.9	1509.7	1517.3	1538.3	1540.2
25°	1490.7	1496.4	1509.7	1526.8	1534.5
27.5°	1471.7	1483.1	1494.5	1515.4	1523.0
30°	1450.8	1462.2	1479.3	1502.1	1507.8
32.5°	1428.0	1439.4	1458.4	1483.1	1488.8
35°	1393.7	1409.0	1433.7	1460.3	1464.1
37.5°	1363.3	1378.5	1405.2	1433.7	1439.4
40°	1321.5	1340.5	1369.0	1395.6	1407.1
42.5°	1272.1	1291.1	1321.5	1353.8	1365.2
45°	1203.6	1224.5	1260.6	1294.9	1308.2
47.5°	1137.1	1156.1	1196.0	1235.9	1245.4
50°	1066.7	1089.5	1133.2	1175.1	1184.6
52.5°	992.5	1021.1	1068.6	1112.3	1127.5
55°	922.2	948.8	1002.1	1047.7	1064.8
57.5°	844.2	876.6	935.5	984.9	1000.1
60°	775.8	804.3	867.1	918.4	933.6
62.5°	695.9	730.1	798.6	849.9	863.2
65°	623.7	656.0	728.2	781.5	794.8
67.5°	545.7	583.7	656.0	711.1	732.0
70°	469.7	509.6	585.6	642.7	663.6
72.5°	393.6	437.3	513.4	572.3	598.9
75°	319.4	365.1	444.9	503.9	515.3
77.5°	245.3	296.6	372.7	414.5	414.5
80°	176.8	228.2	294.7	306.1	315.6
82.5°	117.9	165.4	201.6	213.0	214.9
85°	64.6	100.8	110.3	110.3	102.7
87.5°	24.7	32.3	22.8	11.4	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)