

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: P302388

Luminaire Tested: **RX-WO-65L930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302388
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-65L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5037.2 lumens
Efficiency: N/A
Efficacy: 103.0 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

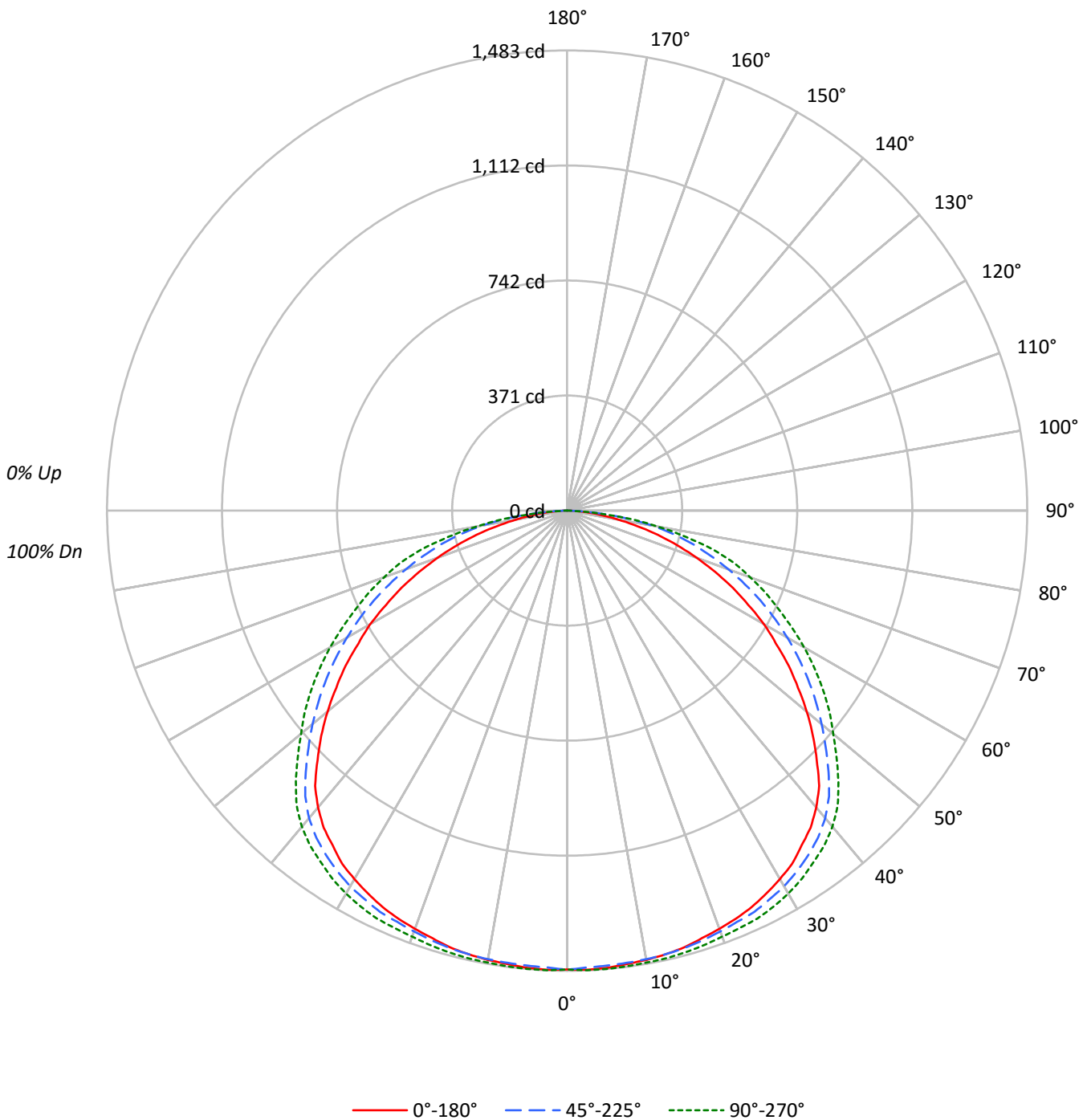
Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		92	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°	1990	1990	1990
5°	1998	1988	2003
10°	2009	2006	2021
15°	2030	2033	2053
20°	2054	2066	2092
25°	2092	2119	2153
30°	2131	2172	2214
35°	2164	2226	2273
40°	2194	2273	2336
45°	2165	2267	2353
50°	2111	2242	2344
55°	2045	2222	2361
60°	1973	2206	2375
65°	1877	2192	2392
70°	1746	2178	2468
75°	1569	2187	2532
80°	1296	2159	2312
85°	943	1609	1499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	2.8
10°-20°	414.2	8.2
20°-30°	659.7	13.1
30°-40°	848.1	16.8
40°-50°	917.1	18.2
50°-60°	843.6	16.7
60°-70°	672.5	13.4
70°-80°	427.3	8.5
80°-90°	113.8	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°	1214.8	24.1
0°-40°	2062.8	41.0
0°-60°	3823.5	75.9
0°-90°	5037.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5037.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1479	1479	1479	1479	1479	
5°	1479	1479	1472	1481	1483	141
15°	1458	1459	1459	1472	1474	412
25°	1409	1414	1427	1443	1450	650
35°	1317	1332	1355	1380	1384	826
45°	1138	1158	1192	1224	1237	877
55°	872	897	947	990	1006	778
65°	590	620	688	739	751	582
75°	302	345	421	476	487	319
85°	61	95	104	104	97	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.2	1479.2	1479.2	1479.2	1479.2
2.5°	1481.0	1481.0	1473.8	1482.8	1482.8
5°	1479.2	1479.2	1472.0	1481.0	1482.8
7.5°	1473.8	1475.6	1470.2	1479.2	1481.0
10°	1470.2	1472.0	1468.4	1477.4	1479.2
12.5°	1464.8	1466.6	1464.8	1475.6	1477.4
15°	1457.6	1459.4	1459.4	1472.0	1473.8
17.5°	1445.0	1448.6	1452.2	1466.6	1468.4
20°	1434.3	1437.8	1443.2	1459.4	1461.2
22.5°	1423.5	1427.1	1434.3	1454.0	1455.8
25°	1409.1	1414.5	1427.1	1443.2	1450.4
27.5°	1391.1	1401.9	1412.7	1432.5	1439.6
30°	1371.3	1382.1	1398.3	1419.9	1425.3
32.5°	1349.8	1360.6	1378.5	1401.9	1407.3
35°	1317.4	1331.8	1355.2	1380.3	1383.9
37.5°	1288.7	1303.1	1328.2	1355.2	1360.6
40°	1249.1	1267.1	1294.1	1319.2	1330.0
42.5°	1202.4	1220.4	1249.1	1279.7	1290.5
45°	1137.7	1157.5	1191.6	1224.0	1236.6
47.5°	1074.8	1092.8	1130.5	1168.3	1177.2
50°	1008.3	1029.9	1071.2	1110.7	1119.7
52.5°	938.2	965.2	1010.1	1051.4	1065.8
55°	871.7	896.9	947.2	990.3	1006.5
57.5°	798.0	828.6	884.3	931.0	945.4
60°	733.3	760.3	819.6	868.1	882.5
62.5°	657.8	690.2	754.9	803.4	816.0
65°	589.5	620.1	688.4	738.7	751.3
67.5°	515.8	551.8	620.1	672.2	692.0
70°	443.9	481.7	553.6	607.5	627.3
72.5°	372.0	413.4	485.3	541.0	566.2
75°	301.9	345.1	420.6	476.3	487.1
77.5°	231.9	280.4	352.3	391.8	391.8
80°	167.2	215.7	278.6	289.4	298.4
82.5°	111.4	156.4	190.5	201.3	203.1
85°	61.1	95.3	104.2	104.2	97.1
87.5°	23.4	30.6	21.6	10.8	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)