

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: P302353

Luminaire Tested: **RX-WO-40L830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302353
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-40L830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

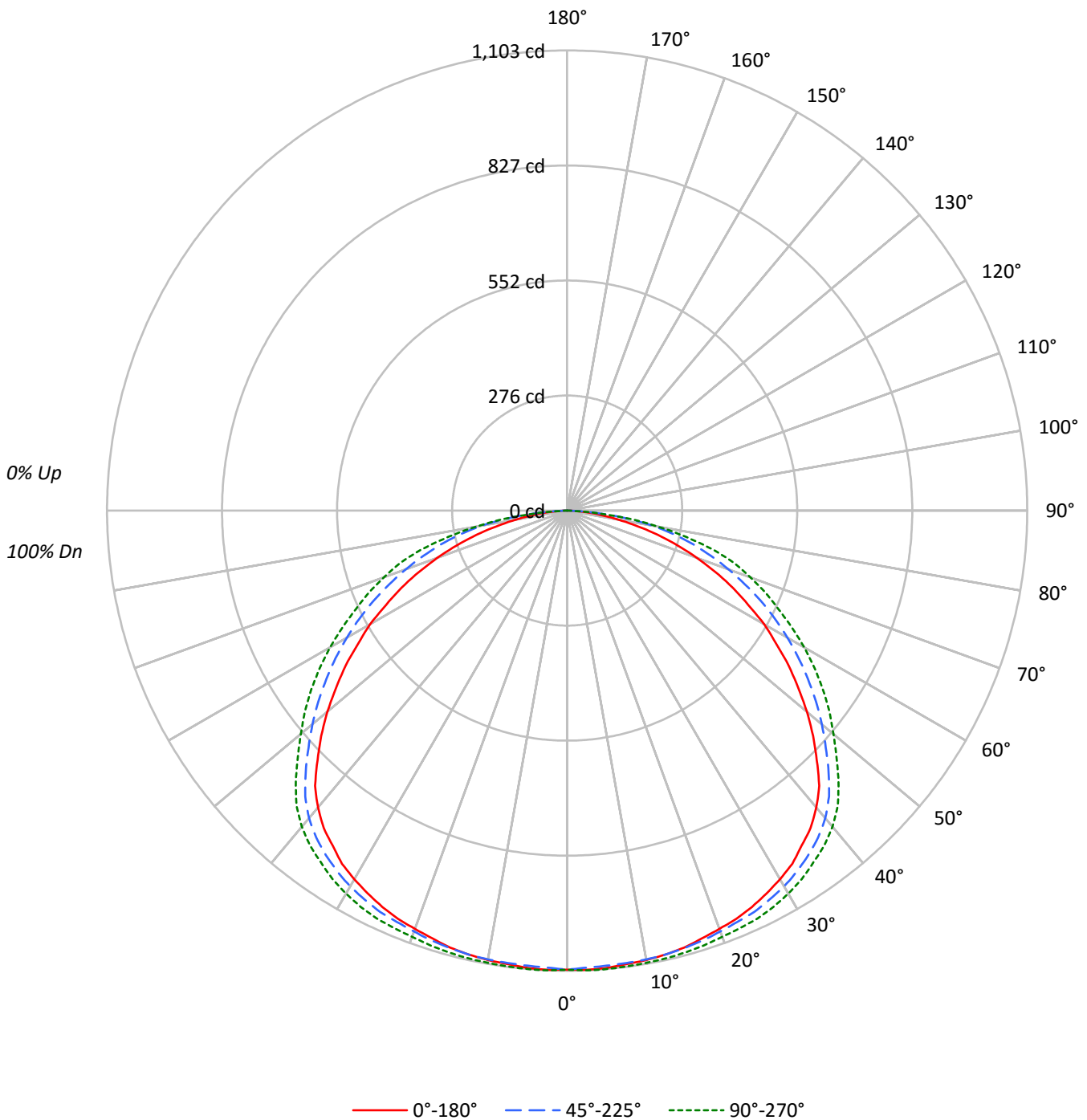
Lumens per Lamp: N/A
Luminaire Lumens: 3747.4 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.6
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°	1481	1481	1481
5°	1486	1479	1490
10°	1494	1492	1503
15°	1511	1512	1527
20°	1528	1537	1557
25°	1556	1576	1602
30°	1585	1616	1647
35°	1610	1656	1691
40°	1632	1691	1738
45°	1611	1687	1750
50°	1570	1668	1744
55°	1521	1653	1757
60°	1468	1641	1767
65°	1396	1630	1779
70°	1299	1620	1836
75°	1168	1627	1884
80°	964	1606	1720
85°	702	1198	1115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	2.8
10°-20°	308.1	8.2
20°-30°	490.8	13.1
30°-40°	630.9	16.8
40°-50°	682.2	18.2
50°-60°	627.6	16.7
60°-70°	500.3	13.4
70°-80°	317.9	8.5
80°-90°	84.7	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°	903.7	24.1
0°-40°	1534.7	41.0
0°-60°	2844.5	75.9
0°-90°	3747.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3747.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1100	1100	1095	1102	1103	105
15°	1084	1086	1086	1095	1096	306
25°	1048	1052	1062	1074	1079	484
35°	980	991	1008	1027	1030	614
45°	846	861	886	911	920	653
55°	648	667	705	737	749	579
65°	439	461	512	550	559	433
75°	225	257	313	354	362	238
85°	46	71	78	78	72	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.4	1100.4	1100.4	1100.4	1100.4
2.5°	1101.8	1101.8	1096.4	1103.1	1103.1
5°	1100.4	1100.4	1095.1	1101.8	1103.1
7.5°	1096.4	1097.8	1093.8	1100.4	1101.8
10°	1093.8	1095.1	1092.4	1099.1	1100.4
12.5°	1089.8	1091.1	1089.8	1097.8	1099.1
15°	1084.4	1085.7	1085.7	1095.1	1096.4
17.5°	1075.0	1077.7	1080.4	1091.1	1092.4
20°	1067.0	1069.7	1073.7	1085.7	1087.1
22.5°	1059.0	1061.7	1067.0	1081.7	1083.1
25°	1048.3	1052.3	1061.7	1073.7	1079.1
27.5°	1034.9	1043.0	1051.0	1065.7	1071.0
30°	1020.2	1028.2	1040.3	1056.3	1060.3
32.5°	1004.2	1012.2	1025.6	1043.0	1047.0
35°	980.1	990.8	1008.2	1026.9	1029.6
37.5°	958.7	969.4	988.1	1008.2	1012.2
40°	929.3	942.7	962.7	981.4	989.5
42.5°	894.5	907.9	929.3	952.0	960.1
45°	846.4	861.1	886.5	910.6	919.9
47.5°	799.6	813.0	841.0	869.1	875.8
50°	750.1	766.2	796.9	826.3	833.0
52.5°	698.0	718.0	751.5	782.2	792.9
55°	648.5	667.2	704.7	736.8	748.8
57.5°	593.7	616.4	657.9	692.6	703.3
60°	545.5	565.6	609.7	645.8	656.5
62.5°	489.4	513.5	561.6	597.7	607.1
65°	438.6	461.3	512.1	549.6	558.9
67.5°	383.8	410.5	461.3	500.1	514.8
70°	330.3	358.3	411.8	451.9	466.7
72.5°	276.8	307.5	361.0	402.5	421.2
75°	224.6	256.7	312.9	354.3	362.4
77.5°	172.5	208.6	262.1	291.5	291.5
80°	124.4	160.5	207.3	215.3	222.0
82.5°	82.9	116.3	141.7	149.8	151.1
85°	45.5	70.9	77.6	77.6	72.2
87.5°	17.4	22.7	16.0	8.0	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)