

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: P302024

Luminaire Tested: **RX-WO-44L830-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302024
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-44L830-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (112)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

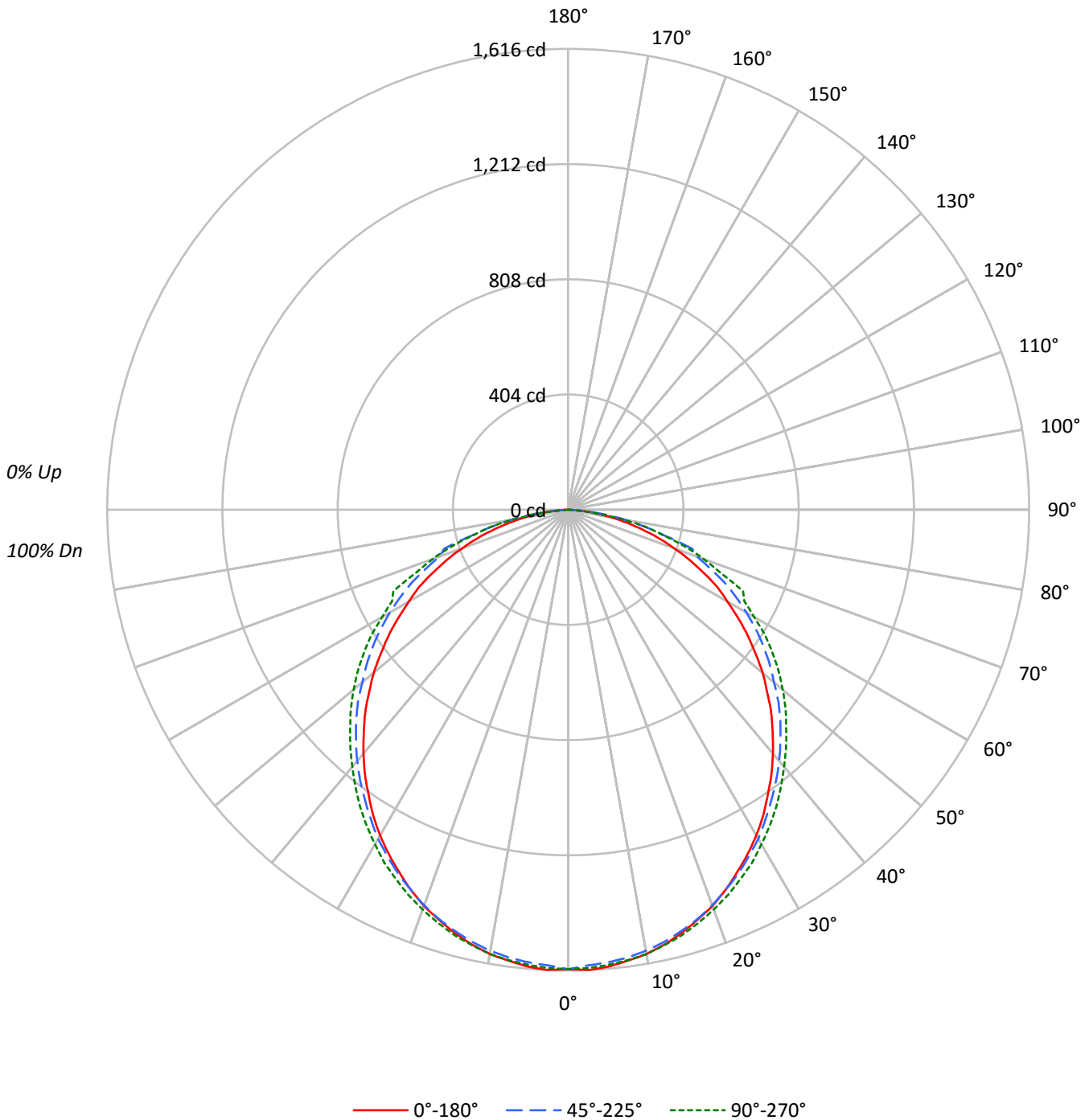
Lumens per Lamp: N/A
Luminaire Lumens: 4580.8 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.3
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°	4335	4335	4335
5°	4346	4303	4328
10°	4323	4292	4323
15°	4282	4263	4301
20°	4234	4228	4273
25°	4163	4183	4243
30°	4098	4140	4210
35°	4008	4082	4178
40°	3923	4042	4136
45°	3831	4002	4113
50°	3725	3942	4111
55°	3605	3922	4101
60°	3471	3882	4051
65°	3333	3848	4306
70°	3112	3766	3978
75°	2803	3644	3575
80°	2368	3133	2960
85°	1735	1525	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	3.3
10°-20°	433.6	9.5
20°-30°	651.9	14.2
30°-40°	779.8	17.0
40°-50°	808.4	17.6
50°-60°	741.4	16.2
60°-70°	589.7	12.9
70°-80°	350.4	7.6
80°-90°	73.5	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°	1237.6	27.0
0°-40°	2017.4	44.0
0°-60°	3567.2	77.9
0°-90°	4580.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4580.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1611	1611	1611	1611	1611	
5°	1609	1604	1593	1604	1602	153
15°	1537	1535	1530	1544	1544	433
25°	1402	1404	1409	1429	1429	646
35°	1220	1227	1243	1267	1272	764
45°	1007	1022	1052	1074	1081	775
55°	768	795	836	870	874	686
65°	524	555	604	629	676	518
75°	270	308	350	348	344	287
85°	56	70	49	27	18	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1611.1	1611.1	1611.1	1611.1	1611.1
2.5°	1615.6	1611.1	1599.8	1611.1	1608.8
5°	1608.8	1604.3	1593.1	1604.3	1602.1
7.5°	1595.4	1593.1	1584.1	1595.4	1593.1
10°	1581.9	1577.4	1570.6	1581.9	1581.9
12.5°	1561.7	1557.2	1552.7	1566.1	1563.9
15°	1536.9	1534.7	1530.2	1543.7	1543.7
17.5°	1507.7	1507.7	1505.5	1519.0	1519.0
20°	1478.5	1476.3	1476.3	1492.0	1492.0
22.5°	1442.6	1442.6	1442.6	1462.8	1462.8
25°	1402.1	1404.4	1408.9	1429.1	1429.1
27.5°	1361.7	1366.2	1370.7	1390.9	1395.4
30°	1319.0	1321.2	1332.5	1352.7	1354.9
32.5°	1271.8	1276.3	1287.5	1310.0	1314.5
35°	1220.1	1226.9	1242.6	1267.3	1271.8
37.5°	1170.7	1179.7	1197.6	1222.4	1224.6
40°	1116.7	1128.0	1150.5	1172.9	1177.4
42.5°	1060.6	1074.1	1101.0	1125.7	1130.2
45°	1006.6	1022.4	1051.6	1074.1	1080.8
47.5°	946.0	964.0	999.9	1026.9	1033.6
50°	889.8	907.8	941.5	975.2	981.9
52.5°	826.9	851.6	889.8	923.5	930.2
55°	768.5	795.4	835.9	869.6	874.1
57.5°	705.6	734.8	779.7	811.2	817.9
60°	644.9	676.3	721.3	750.5	752.7
62.5°	591.0	617.9	662.9	689.8	696.6
65°	523.5	555.0	604.4	629.2	676.3
67.5°	460.6	492.1	539.3	622.4	577.5
70°	395.5	431.4	478.6	501.1	505.6
72.5°	334.8	370.8	456.1	431.4	429.2
75°	269.6	307.8	350.5	348.3	343.8
77.5°	209.0	249.4	274.1	276.4	276.4
80°	152.8	202.2	202.2	202.2	191.0
82.5°	98.9	130.3	130.3	112.3	101.1
85°	56.2	69.7	49.4	27.0	18.0
87.5°	20.2	15.7	4.5	4.5	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)