

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: P302042

Luminaire Tested: **RX-WO-44L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302042
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-44L930-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (112)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

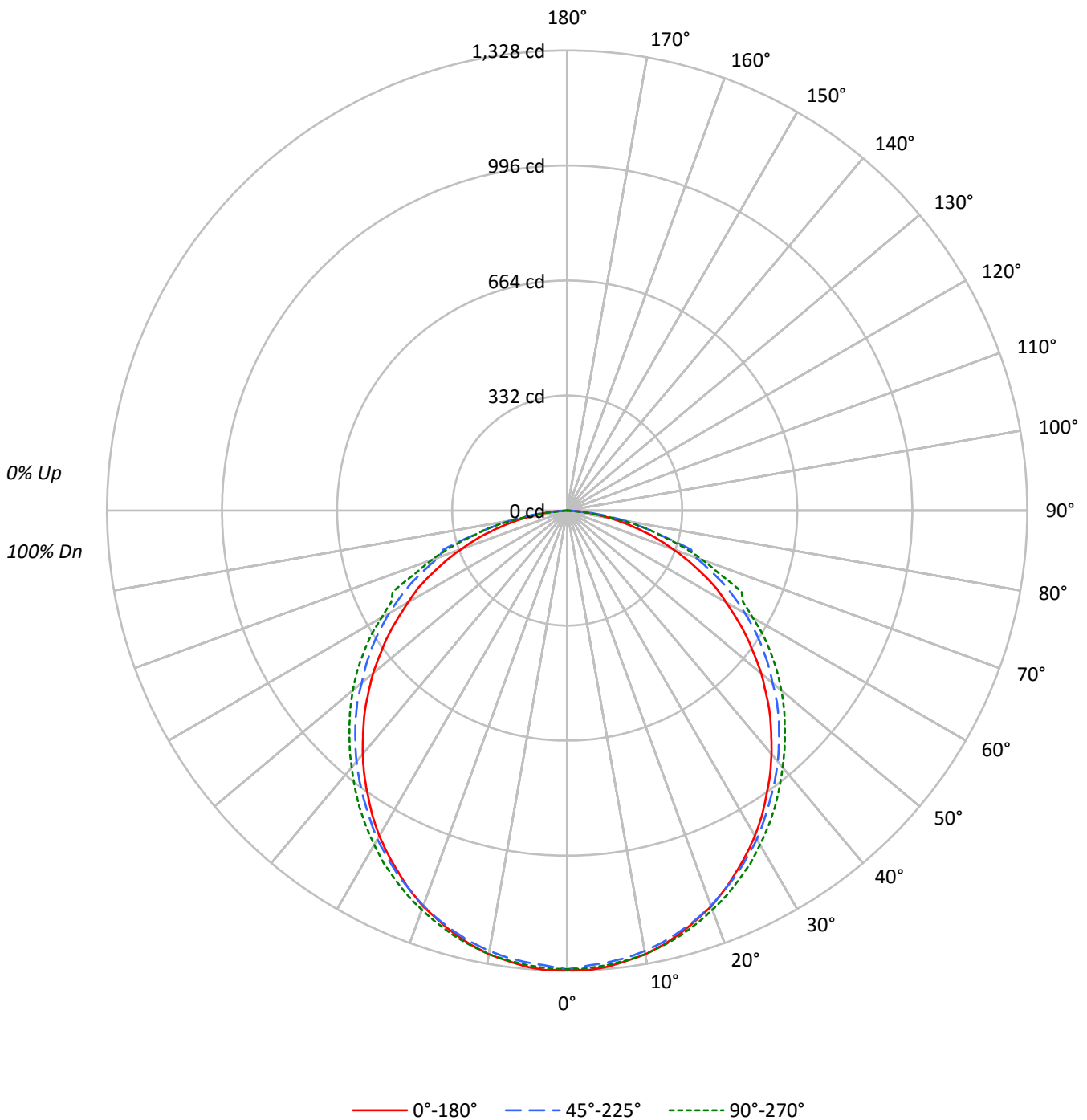
Lumens per Lamp: N/A
Luminaire Lumens: 3764.8 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P302042
CATALOG NUMBER: RX-WO-44L930-UNV-14-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302042

CATALOG NUMBER: RX-WO-44L930-UNV-14-STD

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	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					100			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3563	3563	3563
5°	3572	3537	3557
10°	3553	3527	3553
15°	3519	3504	3534
20°	3480	3475	3511
25°	3421	3438	3487
30°	3368	3403	3460
35°	3294	3355	3434
40°	3224	3321	3399
45°	3148	3289	3381
50°	3062	3239	3378
55°	2963	3223	3370
60°	2852	3190	3329
65°	2740	3163	3540
70°	2557	3094	3269
75°	2304	2995	2937
80°	1946	2576	2433
85°	1426	1254	457



TEST NUMBER: P302042

CATALOG NUMBER: RX-WO-44L930-UNV-14-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	3.3
10°-20°	356.4	9.5
20°-30°	535.7	14.2
30°-40°	640.8	17.0
40°-50°	664.4	17.6
50°-60°	609.3	16.2
60°-70°	484.7	12.9
70°-80°	288.0	7.6
80°-90°	60.4	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°	1017.2	27.0
0°-40°	1658.0	44.0
0°-60°	2931.7	77.9
0°-90°	3764.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3764.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1322	1318	1309	1318	1317	125
15°	1263	1261	1258	1269	1269	356
25°	1152	1154	1158	1174	1174	531
35°	1003	1008	1021	1042	1045	628
45°	827	840	864	883	888	637
55°	632	654	687	715	718	564
65°	430	456	497	517	556	426
75°	222	253	288	286	282	236
85°	46	57	41	22	15	56
90°	0	0	0	0	0	



TEST NUMBER: P302042

CATALOG NUMBER: RX-WO-44L930-UNV-14-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1324.1	1324.1	1324.1	1324.1	1324.1
2.5°	1327.8	1324.1	1314.8	1324.1	1322.2
5°	1322.2	1318.5	1309.3	1318.5	1316.7
7.5°	1311.1	1309.3	1301.9	1311.1	1309.3
10°	1300.1	1296.4	1290.8	1300.1	1300.1
12.5°	1283.4	1279.8	1276.1	1287.1	1285.3
15°	1263.1	1261.3	1257.6	1268.7	1268.7
17.5°	1239.1	1239.1	1237.3	1248.4	1248.4
20°	1215.1	1213.3	1213.3	1226.2	1226.2
22.5°	1185.6	1185.6	1185.6	1202.2	1202.2
25°	1152.3	1154.2	1157.9	1174.5	1174.5
27.5°	1119.1	1122.8	1126.5	1143.1	1146.8
30°	1084.0	1085.9	1095.1	1111.7	1113.6
32.5°	1045.2	1048.9	1058.2	1076.6	1080.3
35°	1002.8	1008.3	1021.2	1041.5	1045.2
37.5°	962.1	969.5	984.3	1004.6	1006.4
40°	917.8	927.0	945.5	964.0	967.7
42.5°	871.6	882.7	904.9	925.2	928.9
45°	827.3	840.2	864.2	882.7	888.3
47.5°	777.5	792.2	821.8	843.9	849.5
50°	731.3	746.1	773.8	801.5	807.0
52.5°	679.6	699.9	731.3	759.0	764.5
55°	631.6	653.7	687.0	714.7	718.4
57.5°	579.9	603.9	640.8	666.7	672.2
60°	530.0	555.9	592.8	616.8	618.6
62.5°	485.7	507.8	544.8	566.9	572.5
65°	430.3	456.1	496.8	517.1	555.9
67.5°	378.6	404.4	443.2	511.5	474.6
70°	325.0	354.6	393.3	411.8	415.5
72.5°	275.2	304.7	374.9	354.6	352.7
75°	221.6	253.0	288.1	286.2	282.5
77.5°	171.7	205.0	225.3	227.1	227.1
80°	125.6	166.2	166.2	166.2	157.0
82.5°	81.3	107.1	107.1	92.3	83.1
85°	46.2	57.2	40.6	22.2	14.8
87.5°	16.6	12.9	3.7	3.7	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)