

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: P302185

Luminaire Tested: **RX-WO-44L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

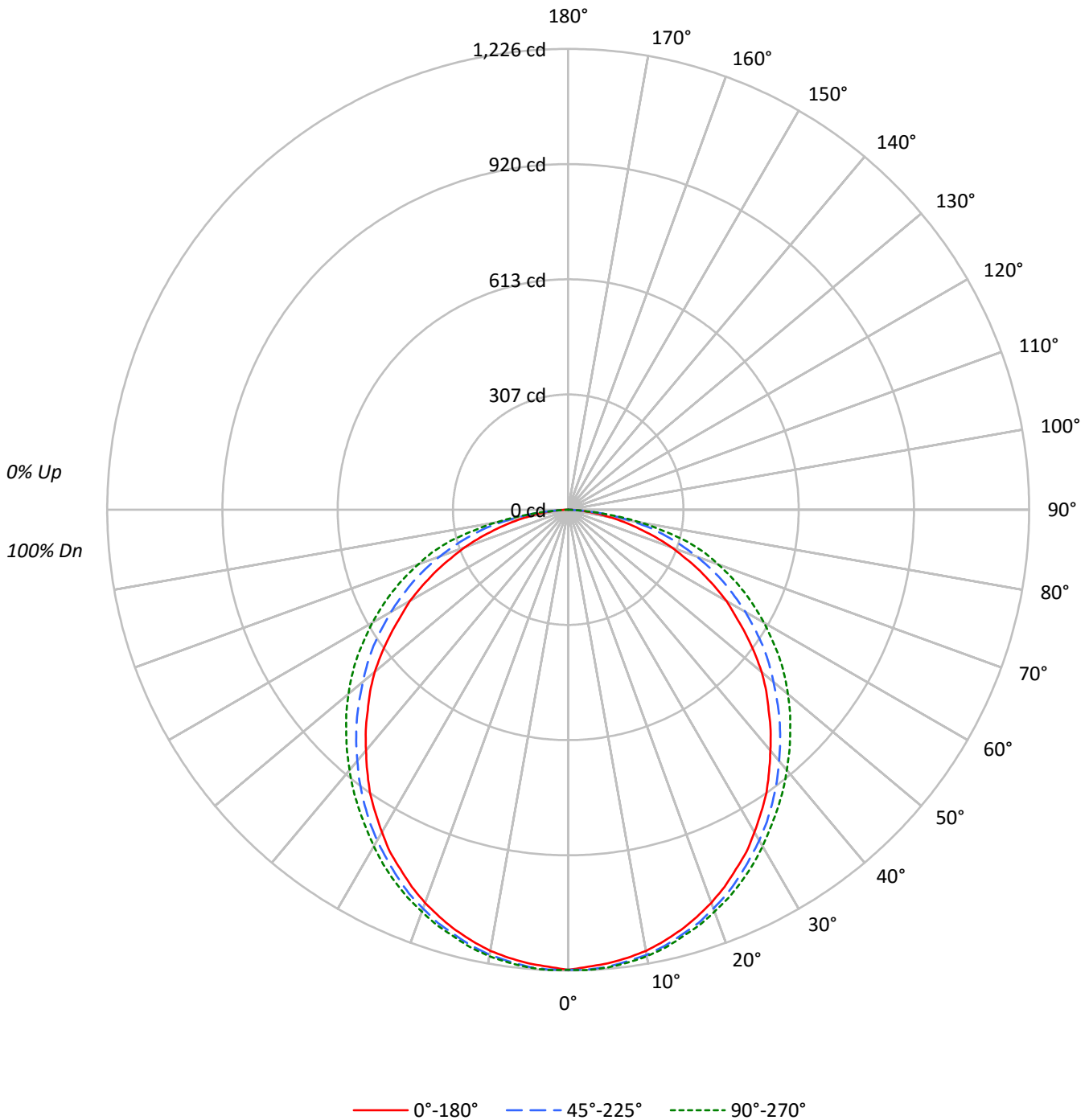
Lumens per Lamp: N/A
Luminaire Lumens: 3504.7 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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	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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3294	3294	3294
5°	3273	3297	3302
10°	3257	3286	3296
15°	3225	3260	3275
20°	3187	3233	3259
25°	3134	3198	3240
30°	3079	3157	3213
35°	3019	3113	3190
40°	2938	3064	3178
45°	2869	3026	3177
50°	2810	2983	3194
55°	2703	2964	3217
60°	2618	2927	3236
65°	2469	2903	3280
70°	2302	2853	3333
75°	2034	2799	3397
80°	1697	2614	3031
85°	1275	1772	1609



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	3.3
10°-20°	329.8	9.4
20°-30°	495.5	14.1
30°-40°	592.1	16.9
40°-50°	613.9	17.5
50°-60°	563.9	16.1
60°-70°	447.8	12.8
70°-80°	278.0	7.9
80°-90°	67.9	1.9
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°	941.0	26.9
0°-40°	1533.1	43.7
0°-60°	2710.9	77.4
0°-90°	3504.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3504.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1224	1224	1224	1224	1224	
5°	1212	1215	1221	1222	1222	115
15°	1158	1161	1170	1176	1176	326
25°	1055	1063	1077	1090	1091	487
35°	919	928	948	966	971	574
45°	754	765	795	826	835	583
55°	576	590	632	671	686	516
65°	388	406	456	499	515	384
75°	196	221	269	310	327	209
85°	41	50	57	56	52	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1224.2	1224.2	1224.2	1224.2	1224.2
2.5°	1217.0	1218.8	1224.2	1227.7	1226.0
5°	1211.6	1215.2	1220.6	1222.4	1222.4
7.5°	1202.6	1206.2	1211.6	1215.2	1215.2
10°	1191.8	1195.4	1202.6	1206.2	1206.2
12.5°	1175.7	1179.3	1188.3	1191.8	1193.6
15°	1157.7	1161.3	1170.3	1175.7	1175.7
17.5°	1136.2	1141.6	1152.4	1157.7	1159.5
20°	1112.9	1118.3	1129.0	1136.2	1138.0
22.5°	1085.9	1091.3	1105.7	1114.7	1116.5
25°	1055.4	1062.6	1077.0	1089.5	1091.3
27.5°	1026.7	1032.1	1046.5	1059.0	1064.4
30°	990.8	999.8	1015.9	1030.3	1033.9
32.5°	954.9	965.7	983.6	999.8	1001.6
35°	919.0	928.0	947.7	965.7	971.1
37.5°	877.7	886.7	911.8	931.6	938.8
40°	836.4	849.0	872.3	895.7	904.7
42.5°	797.0	809.5	834.7	861.6	870.6
45°	753.9	764.6	795.2	825.7	834.7
47.5°	714.4	723.4	753.9	789.8	800.5
50°	671.3	678.5	712.6	752.1	762.9
52.5°	624.6	635.4	673.1	712.6	725.2
55°	576.2	590.5	631.8	671.3	685.7
57.5°	527.7	543.9	586.9	630.0	642.6
60°	486.4	497.2	543.9	586.9	601.3
62.5°	436.2	452.3	499.0	543.9	558.2
65°	387.7	405.7	455.9	499.0	515.2
67.5°	337.5	359.0	411.0	452.3	470.3
70°	292.6	314.1	362.6	405.7	423.6
72.5°	244.1	267.4	315.9	360.8	380.5
75°	195.6	220.8	269.2	310.5	326.7
77.5°	152.6	177.7	222.6	251.3	258.5
80°	109.5	131.0	168.7	188.5	195.6
82.5°	73.6	89.7	114.9	122.1	125.6
85°	41.3	50.3	57.4	55.6	52.1
87.5°	17.9	14.4	12.6	5.4	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)