

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: P302114

Luminaire Tested: **RX-WO-44H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

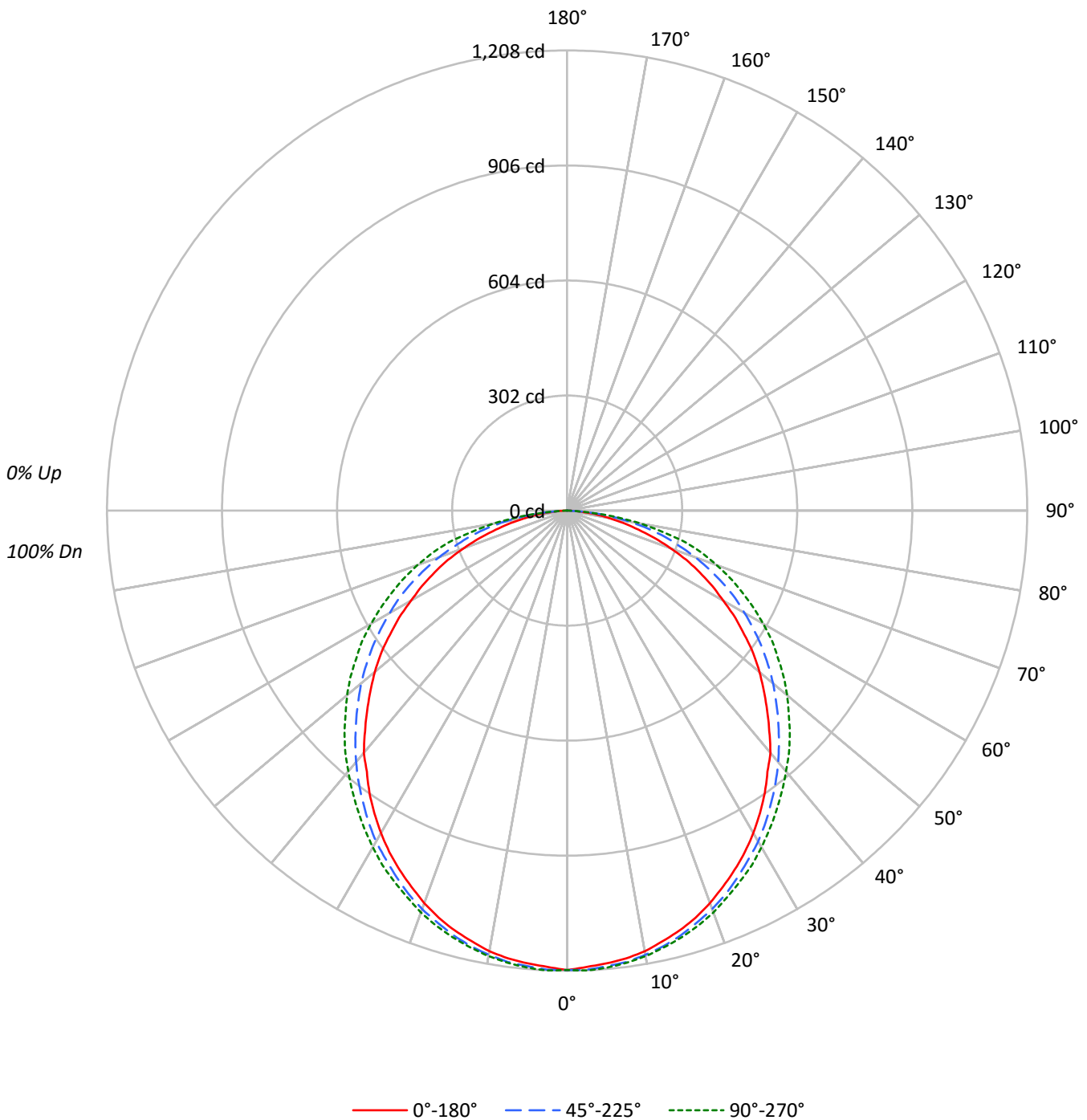
Lumens per Lamp: N/A
Luminaire Lumens: 3457.9 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.2
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	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3246	3246	3246
5°	3223	3243	3254
10°	3210	3235	3245
15°	3179	3215	3231
20°	3140	3188	3214
25°	3090	3151	3189
30°	3037	3118	3170
35°	2972	3070	3149
40°	2917	3028	3139
45°	2827	2982	3146
50°	2759	2954	3156
55°	2664	2926	3171
60°	2545	2895	3196
65°	2442	2869	3224
70°	2270	2812	3281
75°	2013	2748	3349
80°	1702	2568	3030
85°	1207	1782	1723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	3.3
10°-20°	325.0	9.4
20°-30°	488.3	14.1
30°-40°	584.2	16.9
40°-50°	605.8	17.5
50°-60°	557.2	16.1
60°-70°	442.2	12.8
70°-80°	273.1	7.9
80°-90°	67.9	2.0
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°	927.4	26.8
0°-40°	1511.6	43.7
0°-60°	2674.6	77.3
0°-90°	3457.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3457.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1193	1197	1201	1204	1204	113
15°	1141	1145	1154	1160	1160	322
25°	1041	1048	1061	1072	1074	479
35°	905	914	934	953	959	566
45°	743	756	784	815	827	574
55°	568	583	624	666	676	508
65°	384	400	450	493	506	379
75°	194	220	264	305	322	207
85°	39	50	58	58	56	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.3	1206.3	1206.3	1206.3	1206.3
2.5°	1198.9	1200.7	1206.3	1208.2	1208.2
5°	1193.3	1197.0	1200.7	1204.5	1204.5
7.5°	1185.8	1189.6	1195.1	1197.0	1197.0
10°	1174.7	1178.4	1184.0	1187.7	1187.7
12.5°	1157.9	1163.5	1170.9	1174.7	1174.7
15°	1141.2	1144.9	1154.2	1159.8	1159.8
17.5°	1120.7	1124.4	1133.7	1141.2	1143.0
20°	1096.5	1100.2	1113.2	1120.7	1122.5
22.5°	1068.6	1074.1	1089.0	1096.5	1098.3
25°	1040.6	1048.1	1061.1	1072.3	1074.1
27.5°	1010.8	1018.3	1031.3	1046.2	1049.9
30°	977.3	984.8	1003.4	1016.4	1020.2
32.5°	942.0	951.3	969.9	986.6	990.4
35°	904.7	914.0	934.5	953.1	958.7
37.5°	863.8	876.8	899.2	919.6	927.1
40°	830.3	837.7	861.9	886.1	893.6
42.5°	785.6	796.8	822.8	850.8	861.9
45°	742.8	755.8	783.7	815.4	826.6
47.5°	700.0	713.0	744.6	778.1	789.3
50°	659.0	670.2	705.5	742.8	753.9
52.5°	616.2	627.4	664.6	705.5	716.7
55°	567.8	582.7	623.6	666.5	675.8
57.5°	523.1	538.0	580.8	621.8	638.5
60°	472.8	491.5	538.0	579.0	593.9
62.5°	430.0	444.9	497.0	538.0	551.0
65°	383.5	400.2	450.5	493.3	506.4
67.5°	338.8	355.6	404.0	446.8	463.5
70°	288.5	307.2	357.4	400.2	417.0
72.5°	242.0	264.3	309.0	353.7	372.3
75°	193.6	219.7	264.3	305.3	322.1
77.5°	150.8	173.1	215.9	243.9	253.2
80°	109.8	132.2	165.7	184.3	195.5
82.5°	74.5	87.5	113.6	126.6	126.6
85°	39.1	50.3	57.7	57.7	55.8
87.5°	13.0	14.9	11.2	5.6	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)