

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: P302165

Luminaire Tested: **RX-WO-34L830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302165
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-34L830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

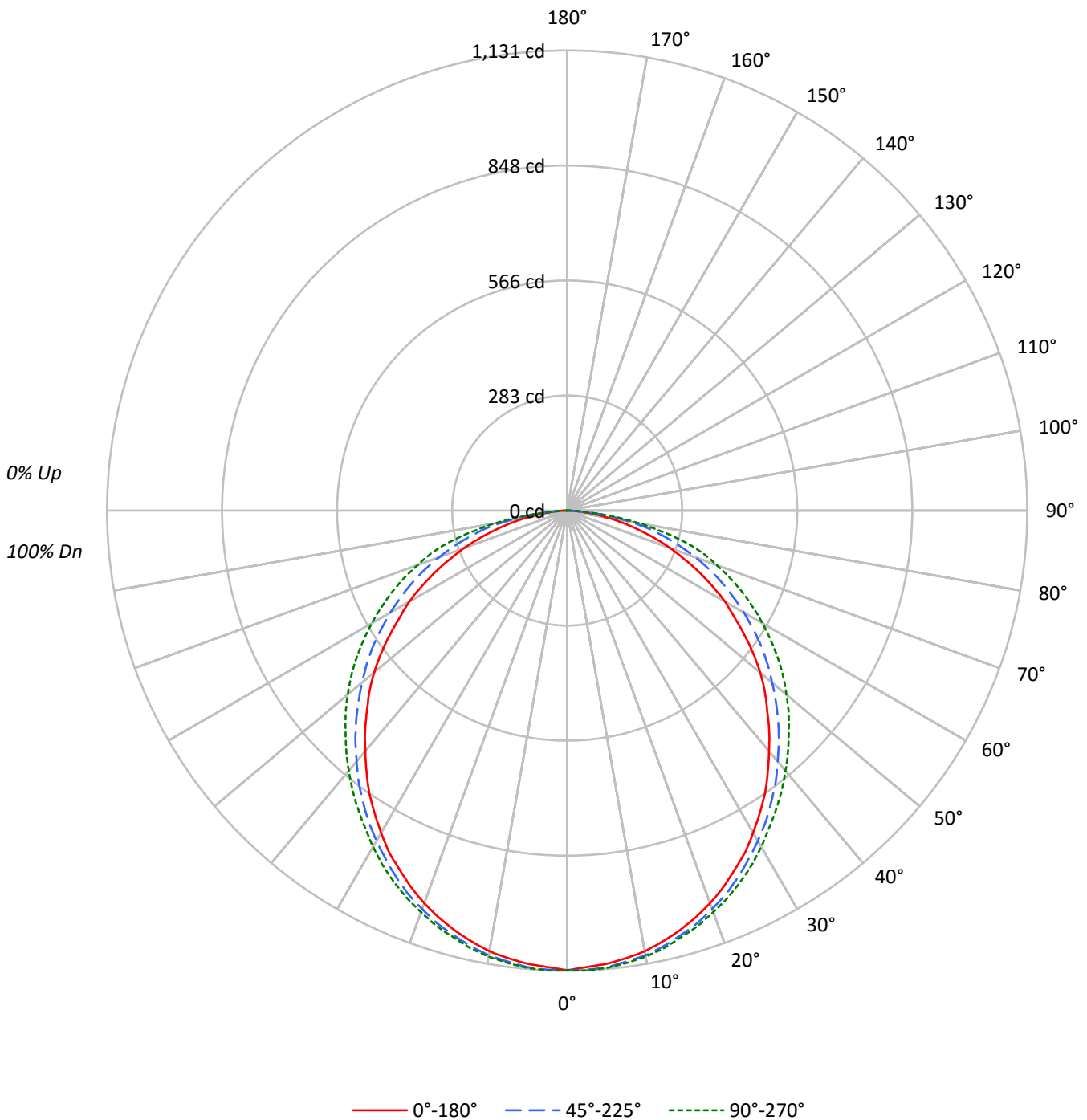
Lumens per Lamp: N/A
Luminaire Lumens: 3234.3 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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	46		57	50	45		55	49	45	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	53	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°	3040	3040	3040
5°	3020	3043	3047
10°	3005	3033	3042
15°	2976	3009	3023
20°	2941	2984	3007
25°	2892	2951	2990
30°	2841	2913	2965
35°	2786	2873	2944
40°	2712	2828	2933
45°	2648	2793	2931
50°	2593	2753	2947
55°	2495	2736	2969
60°	2416	2701	2986
65°	2278	2679	3027
70°	2124	2633	3076
75°	1878	2584	3135
80°	1565	2413	2799
85°	1176	1636	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	3.3
10°-20°	304.3	9.4
20°-30°	457.3	14.1
30°-40°	546.4	16.9
40°-50°	566.6	17.5
50°-60°	520.4	16.1
60°-70°	413.3	12.8
70°-80°	256.5	7.9
80°-90°	62.7	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°	868.4	26.9
0°-40°	1414.9	43.7
0°-60°	2501.8	77.4
0°-90°	3234.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3234.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1118	1121	1126	1128	1128	106
15°	1068	1072	1080	1085	1085	301
25°	974	981	994	1006	1007	449
35°	848	856	875	891	896	529
45°	696	706	734	762	770	538
55°	532	545	583	620	633	476
65°	358	374	421	460	475	354
75°	181	204	248	287	302	193
85°	38	46	53	51	48	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1129.7	1129.7	1129.7	1129.7	1129.7
2.5°	1123.1	1124.7	1129.7	1133.0	1131.4
5°	1118.1	1121.4	1126.4	1128.1	1128.1
7.5°	1109.8	1113.1	1118.1	1121.4	1121.4
10°	1099.9	1103.2	1109.8	1113.1	1113.1
12.5°	1085.0	1088.3	1096.6	1099.9	1101.5
15°	1068.4	1071.7	1080.0	1085.0	1085.0
17.5°	1048.5	1053.5	1063.5	1068.4	1070.1
20°	1027.0	1032.0	1041.9	1048.5	1050.2
22.5°	1002.2	1007.1	1020.4	1028.7	1030.3
25°	974.0	980.6	993.9	1005.5	1007.1
27.5°	947.5	952.5	965.7	977.3	982.3
30°	914.4	922.7	937.6	950.8	954.1
32.5°	881.2	891.2	907.7	922.7	924.3
35°	848.1	856.4	874.6	891.2	896.1
37.5°	810.0	818.3	841.5	859.7	866.3
40°	771.9	783.5	805.0	826.6	834.9
42.5°	735.5	747.1	770.3	795.1	803.4
45°	695.7	705.7	733.8	762.0	770.3
47.5°	659.3	667.6	695.7	728.8	738.8
50°	619.5	626.1	657.6	694.1	704.0
52.5°	576.5	586.4	621.2	657.6	669.2
55°	531.7	545.0	583.1	619.5	632.8
57.5°	487.0	501.9	541.7	581.4	593.0
60°	448.9	458.8	501.9	541.7	554.9
62.5°	402.5	417.4	460.5	501.9	515.2
65°	357.8	374.4	420.7	460.5	475.4
67.5°	311.4	331.3	379.3	417.4	434.0
70°	270.0	289.9	334.6	374.4	390.9
72.5°	225.3	246.8	291.5	332.9	351.2
75°	180.6	203.7	248.5	286.6	301.5
77.5°	140.8	164.0	205.4	231.9	238.5
80°	101.0	120.9	155.7	173.9	180.6
82.5°	67.9	82.8	106.0	112.6	116.0
85°	38.1	46.4	53.0	51.4	48.0
87.5°	16.6	13.3	11.6	5.0	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)