

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: G3-1902-133-41

Luminaire Tested: **RX-WO-30L830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1902-133-41
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-30L830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

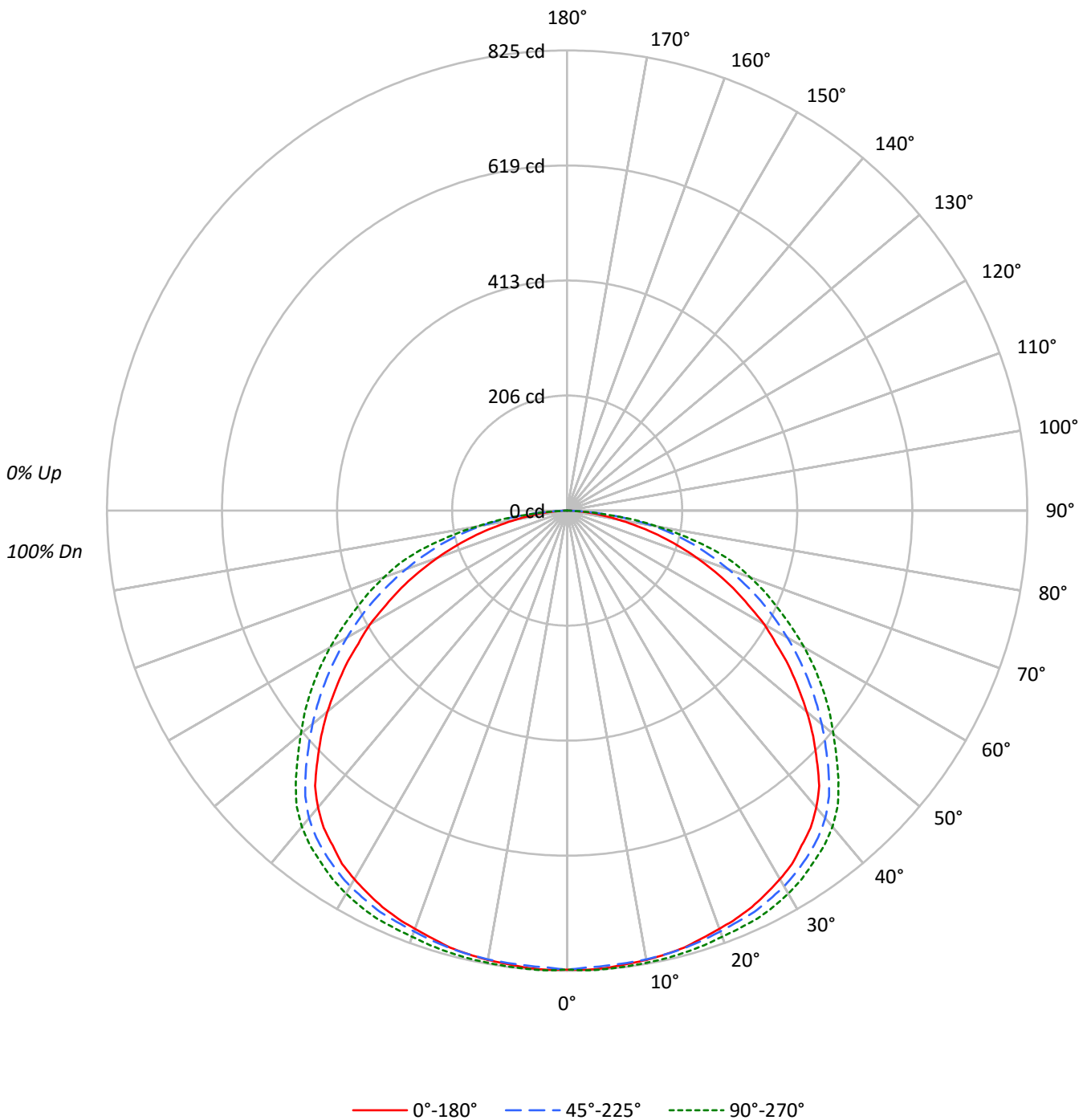
Lumens per Lamp: N/A
Luminaire Lumens: 2802.6 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.3
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	108	103	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1107	1107	1107
5°	1112	1106	1114
10°	1118	1116	1124
15°	1130	1131	1142
20°	1143	1150	1164
25°	1164	1179	1198
30°	1185	1209	1232
35°	1204	1238	1265
40°	1221	1265	1300
45°	1204	1262	1309
50°	1174	1248	1304
55°	1138	1236	1314
60°	1098	1227	1321
65°	1044	1219	1331
70°	972	1212	1373
75°	873	1216	1409
80°	721	1201	1286
85°	525	895	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	2.8
10°-20°	230.4	8.2
20°-30°	367.0	13.1
30°-40°	471.9	16.8
40°-50°	510.2	18.2
50°-60°	469.4	16.7
60°-70°	374.2	13.4
70°-80°	237.7	8.5
80°-90°	63.3	2.3
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°	675.9	24.1
0°-40°	1147.7	41.0
0°-60°	2127.3	75.9
0°-90°	2802.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2802.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	823	823	819	824	825	78
15°	811	812	812	819	820	229
25°	784	787	794	803	807	362
35°	733	741	754	768	770	459
45°	633	644	663	681	688	488
55°	485	499	527	551	560	433
65°	328	345	383	411	418	324
75°	168	192	234	265	271	178
85°	34	53	58	58	54	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823	823	823	823	823
2.5°	824	824	820	825	825
5°	823	823	819	824	825
7.5°	820	821	818	823	824
10°	818	819	817	822	823
12.5°	815	816	815	821	822
15°	811	812	812	819	820
17.5°	804	806	808	816	817
20°	798	800	803	812	813
22.5°	792	794	798	809	810
25°	784	787	794	803	807
27.5°	774	780	786	797	801
30°	763	769	778	790	793
32.5°	751	757	767	780	783
35°	733	741	754	768	770
37.5°	717	725	739	754	757
40°	695	705	720	734	740
42.5°	669	679	695	712	718
45°	633	644	663	681	688
47.5°	598	608	629	650	655
50°	561	573	596	618	623
52.5°	522	537	562	585	593
55°	485	499	527	551	560
57.5°	444	461	492	518	526
60°	408	423	456	483	491
62.5°	366	384	420	447	454
65°	328	345	383	411	418
67.5°	287	307	345	374	385
70°	247	268	308	338	349
72.5°	207	230	270	301	315
75°	168	192	234	265	271
77.5°	129	156	196	218	218
80°	93	120	155	161	166
82.5°	62	87	106	112	113
85°	34	53	58	58	54
87.5°	13	17	12	6	4
90°	0	0	0	0	0

(END OF REPORT)