

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: P302391

Luminaire Tested: **RX-WO-30L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-30L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

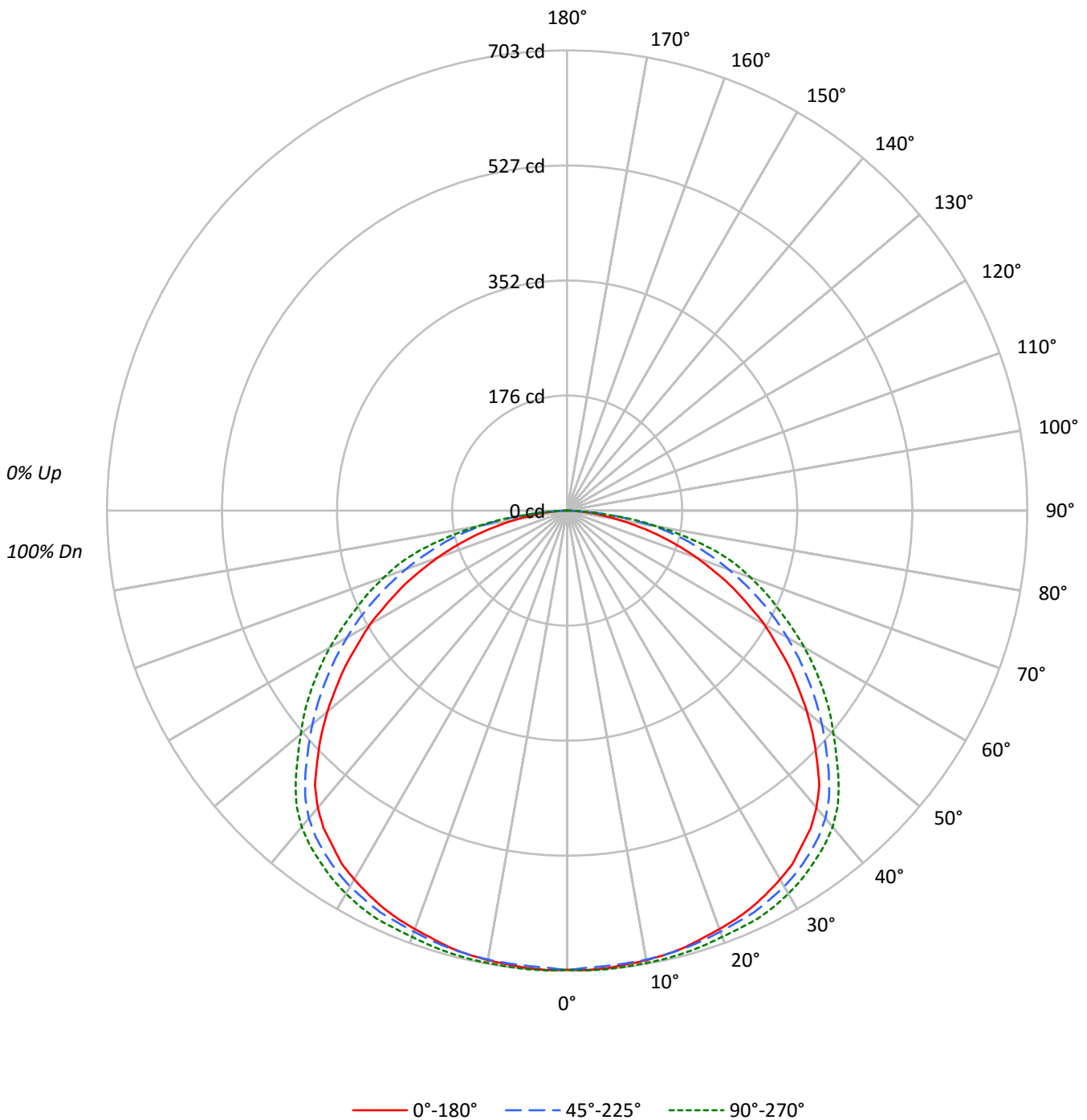
Lumens per Lamp: N/A
Luminaire Lumens: 2389.2 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	944	944	944
5°	948	943	950
10°	953	952	959
15°	963	964	974
20°	974	980	992
25°	992	1005	1021
30°	1011	1031	1050
35°	1026	1056	1078
40°	1041	1078	1108
45°	1027	1075	1116
50°	1001	1064	1112
55°	970	1054	1120
60°	936	1046	1126
65°	890	1039	1134
70°	828	1033	1170
75°	744	1037	1201
80°	614	1024	1096
85°	448	763	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	2.8
10°-20°	196.5	8.2
20°-30°	312.9	13.1
30°-40°	402.3	16.8
40°-50°	435.0	18.2
50°-60°	400.1	16.7
60°-70°	319.0	13.4
70°-80°	202.7	8.5
80°-90°	54.0	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°	576.2	24.1
0°-40°	978.5	41.0
0°-60°	1813.6	75.9
0°-90°	2389.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2389.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	702	702	698	702	703	67
15°	691	692	692	698	699	195
25°	668	671	677	685	688	308
35°	625	632	643	655	656	392
45°	540	549	565	581	586	416
55°	414	425	449	470	477	369
65°	280	294	326	350	356	276
75°	143	164	200	226	231	151
85°	29	45	49	49	46	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	701.6	701.6	701.6	701.6	701.6
2.5°	702.5	702.5	699.1	703.3	703.3
5°	701.6	701.6	698.2	702.5	703.3
7.5°	699.1	699.9	697.4	701.6	702.5
10°	697.4	698.2	696.5	700.8	701.6
12.5°	694.8	695.6	694.8	699.9	700.8
15°	691.4	692.2	692.2	698.2	699.1
17.5°	685.4	687.1	688.8	695.6	696.5
20°	680.3	682.0	684.6	692.2	693.1
22.5°	675.2	676.9	680.3	689.7	690.5
25°	668.4	670.9	676.9	684.6	688.0
27.5°	659.8	665.0	670.1	679.5	682.9
30°	650.5	655.6	663.3	673.5	676.0
32.5°	640.2	645.4	653.9	665.0	667.5
35°	624.9	631.7	642.8	654.7	656.4
37.5°	611.3	618.1	630.0	642.8	645.4
40°	592.5	601.0	613.8	625.7	630.9
42.5°	570.3	578.9	592.5	607.0	612.1
45°	539.6	549.0	565.2	580.6	586.5
47.5°	509.8	518.3	536.2	554.1	558.4
50°	478.3	488.5	508.1	526.9	531.1
52.5°	445.0	457.8	479.1	498.7	505.5
55°	413.5	425.4	449.3	469.7	477.4
57.5°	378.5	393.0	419.4	441.6	448.4
60°	347.8	360.6	388.7	411.8	418.6
62.5°	312.0	327.4	358.1	381.1	387.0
65°	279.6	294.1	326.5	350.4	356.3
67.5°	244.7	261.7	294.1	318.8	328.2
70°	210.6	228.5	262.6	288.1	297.5
72.5°	176.5	196.1	230.2	256.6	268.5
75°	143.2	163.7	199.5	225.9	231.0
77.5°	110.0	133.0	167.1	185.8	185.8
80°	79.3	102.3	132.1	137.3	141.5
82.5°	52.9	74.2	90.4	95.5	96.3
85°	29.0	45.2	49.4	49.4	46.0
87.5°	11.1	14.5	10.2	5.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)