

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: P302392

Luminaire Tested: **RX-WO-35L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302392
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-35L935-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: 2840.6 lumens
Efficiency: N/A
Efficacy: 105.6 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

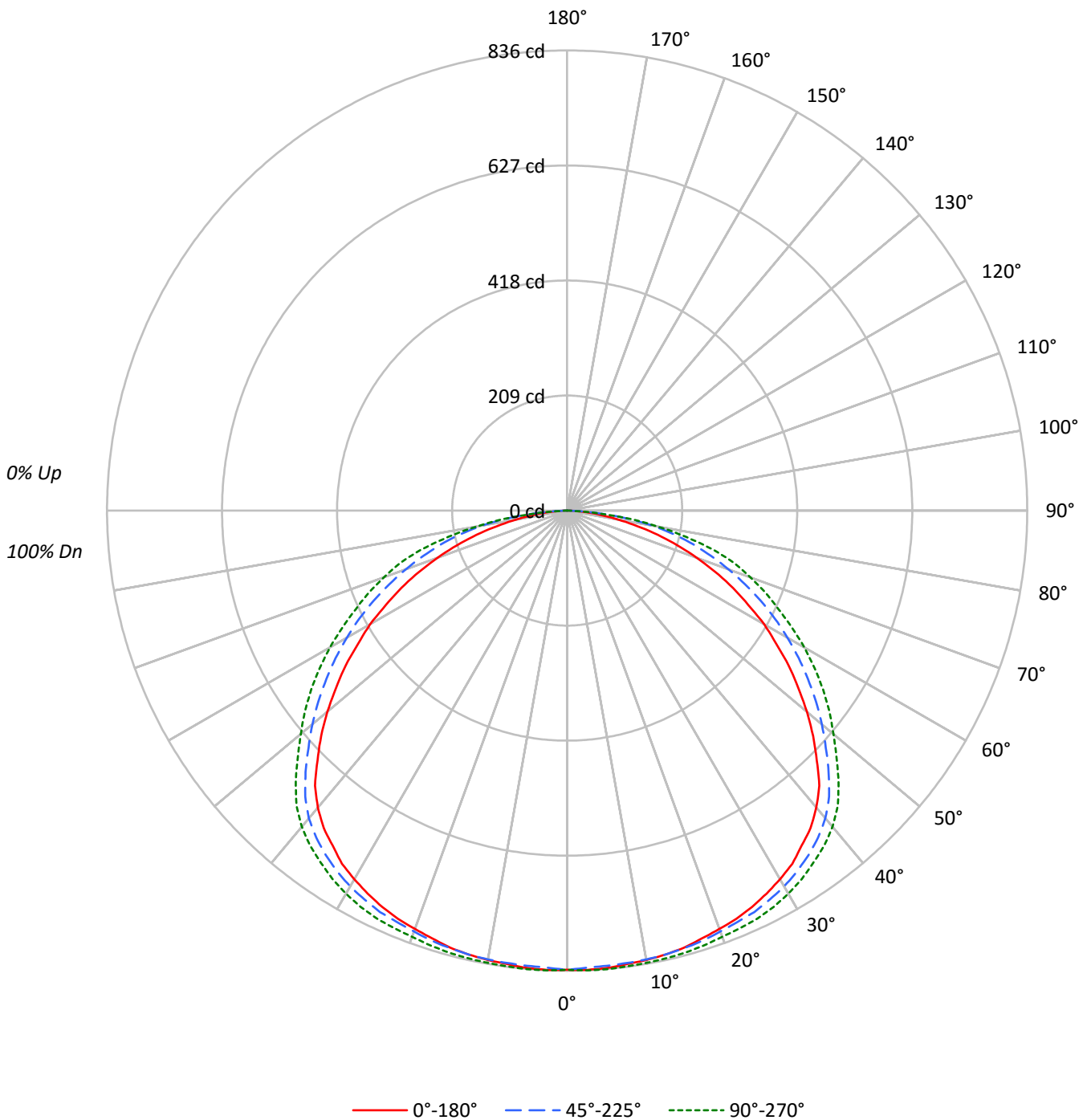
Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		92	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°	1122	1122	1122
5°	1127	1121	1129
10°	1133	1131	1140
15°	1145	1146	1158
20°	1158	1165	1180
25°	1180	1195	1214
30°	1201	1225	1249
35°	1220	1255	1282
40°	1237	1282	1317
45°	1221	1279	1327
50°	1190	1265	1322
55°	1153	1253	1331
60°	1113	1244	1339
65°	1058	1236	1349
70°	985	1228	1391
75°	885	1233	1428
80°	731	1217	1303
85°	533	908	844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	2.8
10°-20°	233.6	8.2
20°-30°	372.0	13.1
30°-40°	478.2	16.8
40°-50°	517.1	18.2
50°-60°	475.7	16.7
60°-70°	379.3	13.4
70°-80°	241.0	8.5
80°-90°	64.2	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°	685.1	24.1
0°-40°	1163.3	41.0
0°-60°	2156.2	75.9
0°-90°	2840.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2840.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	834	834	830	835	836	79
15°	822	823	823	830	831	232
25°	795	798	805	814	818	367
35°	743	751	764	778	780	466
45°	642	653	672	690	697	495
55°	492	506	534	558	568	439
65°	332	350	388	417	424	328
75°	170	195	237	269	275	180
85°	34	54	59	59	55	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	834.2	834.2	834.2	834.2	834.2
2.5°	835.2	835.2	831.1	836.2	836.2
5°	834.2	834.2	830.1	835.2	836.2
7.5°	831.1	832.1	829.1	834.2	835.2
10°	829.1	830.1	828.1	833.1	834.2
12.5°	826.0	827.1	826.0	832.1	833.1
15°	822.0	823.0	823.0	830.1	831.1
17.5°	814.9	816.9	819.0	827.1	828.1
20°	808.8	810.8	813.9	823.0	824.0
22.5°	802.7	804.8	808.8	820.0	821.0
25°	794.6	797.7	804.8	813.9	817.9
27.5°	784.5	790.6	796.7	807.8	811.9
30°	773.3	779.4	788.5	800.7	803.7
32.5°	761.2	767.3	777.4	790.6	793.6
35°	742.9	751.0	764.2	778.4	780.4
37.5°	726.7	734.8	749.0	764.2	767.3
40°	704.4	714.6	729.8	743.9	750.0
42.5°	678.1	688.2	704.4	721.7	727.7
45°	641.6	652.7	672.0	690.2	697.3
47.5°	606.1	616.2	637.5	658.8	663.9
50°	568.6	580.8	604.1	626.4	631.4
52.5°	529.1	544.3	569.6	592.9	601.0
55°	491.6	505.8	534.1	558.5	567.6
57.5°	450.0	467.2	498.7	525.0	533.1
60°	413.5	428.7	462.2	489.5	497.7
62.5°	371.0	389.2	425.7	453.1	460.2
65°	332.4	349.7	388.2	416.6	423.7
67.5°	290.9	311.2	349.7	379.1	390.2
70°	250.3	271.6	312.2	342.6	353.7
72.5°	209.8	233.1	273.7	305.1	319.3
75°	170.3	194.6	237.2	268.6	274.7
77.5°	130.7	158.1	198.7	221.0	221.0
80°	94.3	121.6	157.1	163.2	168.2
82.5°	62.8	88.2	107.4	113.5	114.5
85°	34.5	53.7	58.8	58.8	54.7
87.5°	13.2	17.2	12.2	6.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)