

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: P302402

Luminaire Tested: **RX-WO-35L940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302402
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-35L940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

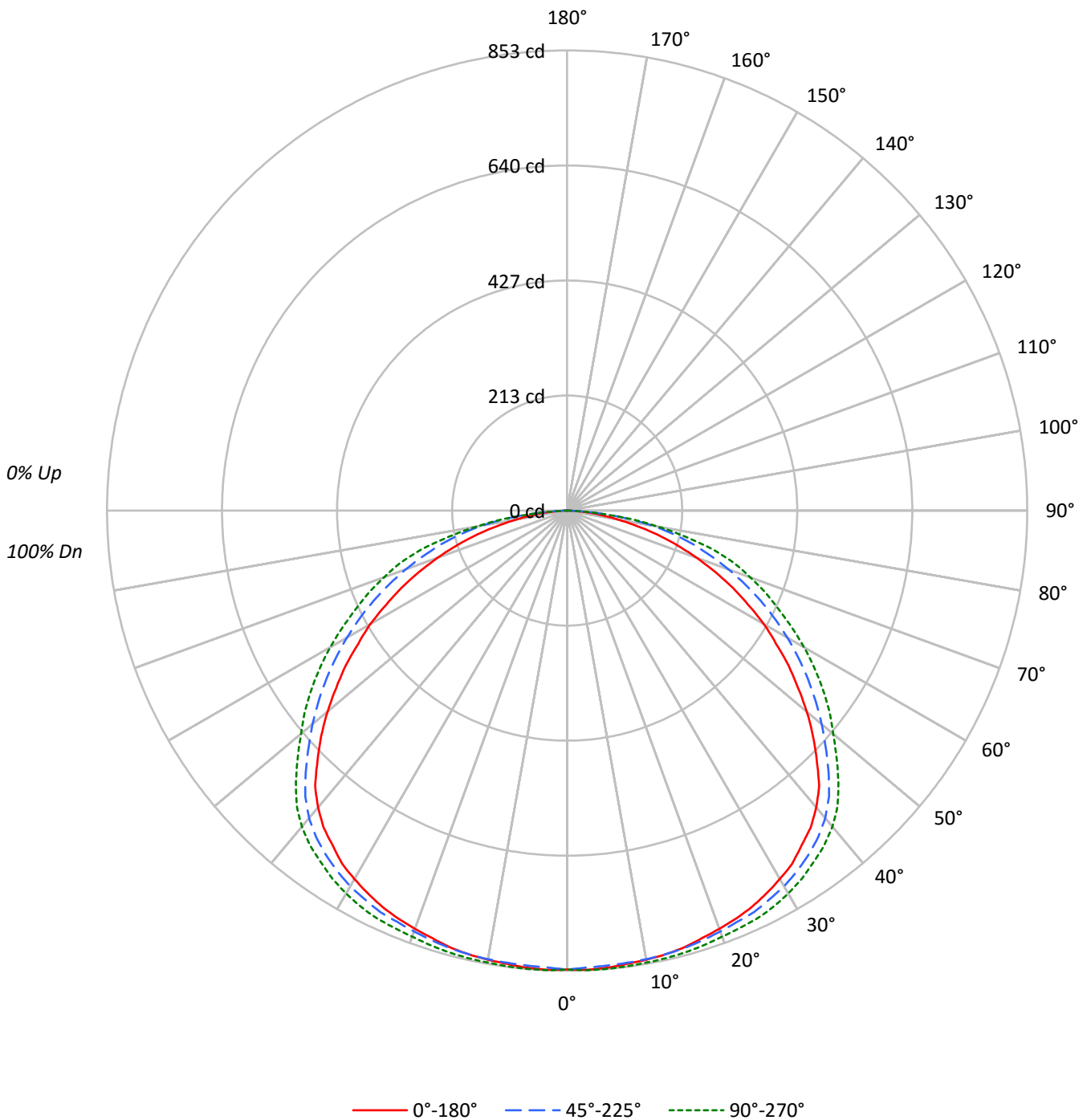
Lumens per Lamp: N/A
Luminaire Lumens: 2897.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.9
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°	1145	1145	1145
5°	1149	1143	1152
10°	1155	1154	1162
15°	1168	1169	1181
20°	1181	1189	1203
25°	1203	1219	1238
30°	1225	1249	1274
35°	1245	1280	1307
40°	1262	1307	1343
45°	1245	1304	1353
50°	1214	1290	1348
55°	1176	1278	1358
60°	1135	1269	1366
65°	1080	1260	1376
70°	1004	1253	1419
75°	903	1258	1456
80°	745	1241	1330
85°	542	926	861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	2.8
10°-20°	238.2	8.2
20°-30°	379.4	13.1
30°-40°	487.8	16.8
40°-50°	527.4	18.2
50°-60°	485.2	16.7
60°-70°	386.8	13.4
70°-80°	245.7	8.5
80°-90°	65.5	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°	698.7	24.1
0°-40°	1186.4	41.0
0°-60°	2199.0	75.9
0°-90°	2897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	851	851	847	852	853	81
15°	838	839	839	847	848	237
25°	810	814	821	830	834	374
35°	758	766	779	794	796	475
45°	654	666	685	704	711	504
55°	501	516	545	570	579	447
65°	339	357	396	425	432	335
75°	174	198	242	274	280	184
85°	35	55	60	60	56	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	850.7	850.7	850.7	850.7	850.7
2.5°	851.8	851.8	847.6	852.8	852.8
5°	850.7	850.7	846.6	851.8	852.8
7.5°	847.6	848.7	845.6	850.7	851.8
10°	845.6	846.6	844.5	849.7	850.7
12.5°	842.5	843.5	842.5	848.7	849.7
15°	838.3	839.4	839.4	846.6	847.6
17.5°	831.1	833.2	835.2	843.5	844.5
20°	824.9	827.0	830.1	839.4	840.4
22.5°	818.7	820.8	824.9	836.3	837.3
25°	810.4	813.5	820.8	830.1	834.2
27.5°	800.1	806.3	812.5	823.9	828.0
30°	788.7	794.9	804.2	816.6	819.7
32.5°	776.3	782.5	792.9	806.3	809.4
35°	757.7	766.0	779.4	793.9	796.0
37.5°	741.2	749.4	763.9	779.4	782.5
40°	718.4	728.8	744.3	758.7	764.9
42.5°	691.5	701.9	718.4	736.0	742.2
45°	654.3	665.7	685.3	704.0	711.2
47.5°	618.2	628.5	650.2	671.9	677.1
50°	579.9	592.3	616.1	638.8	644.0
52.5°	539.6	555.1	580.9	604.7	613.0
55°	501.3	515.8	544.8	569.6	578.9
57.5°	459.0	476.5	508.6	535.5	543.7
60°	421.8	437.3	471.4	499.3	507.5
62.5°	378.3	396.9	434.2	462.1	469.3
65°	339.1	356.6	395.9	424.9	432.1
67.5°	296.7	317.3	356.6	386.6	398.0
70°	255.3	277.0	318.4	349.4	360.8
72.5°	214.0	237.8	279.1	311.1	325.6
75°	173.7	198.5	241.9	273.9	280.1
77.5°	133.3	161.3	202.6	225.3	225.3
80°	96.1	124.0	160.2	166.4	171.6
82.5°	64.1	89.9	109.6	115.8	116.8
85°	35.1	54.8	60.0	60.0	55.8
87.5°	13.4	17.6	12.4	6.2	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)