

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: P302451

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-35L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

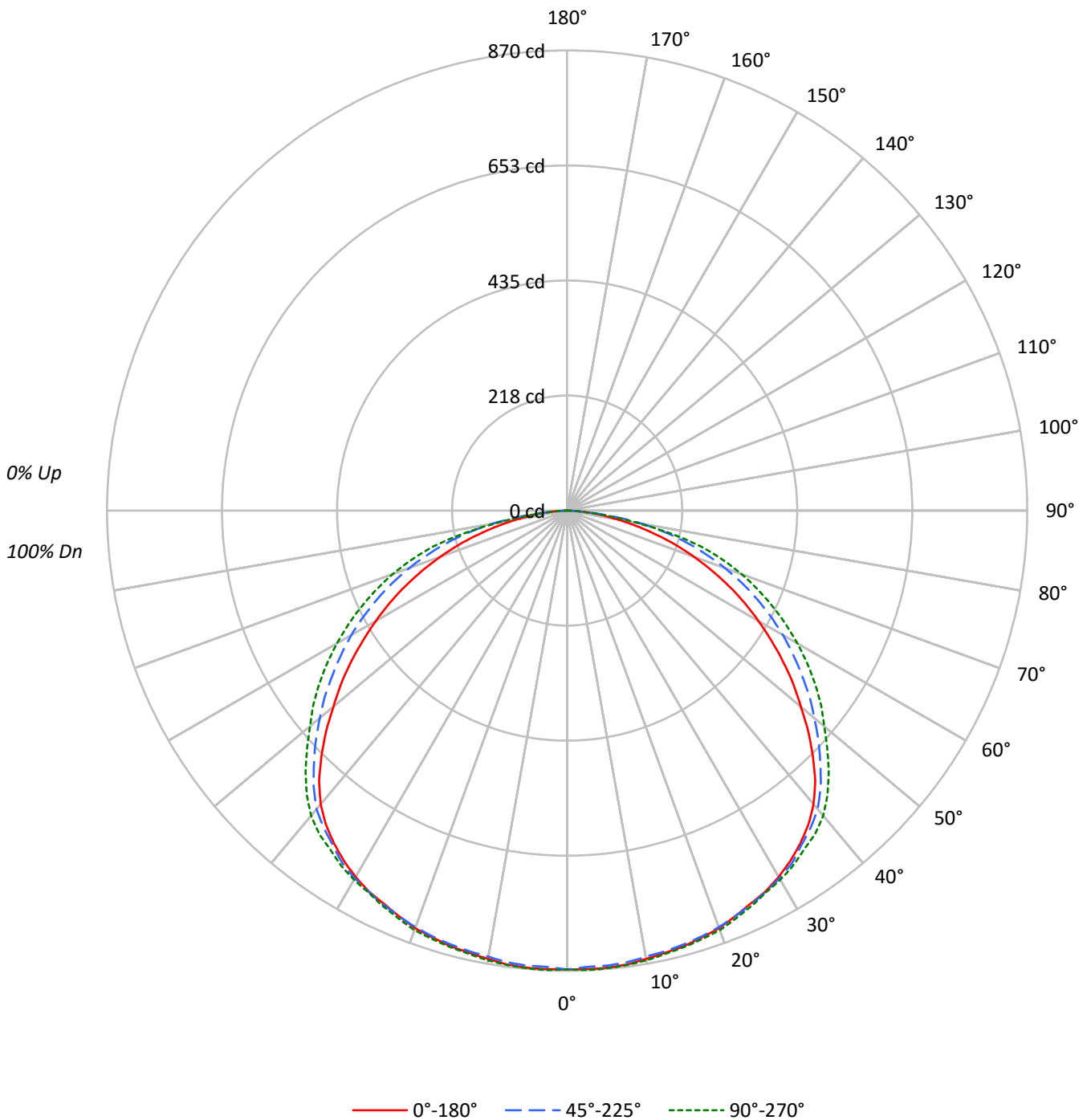
Lumens per Lamp: N/A
Luminaire Lumens: 2870.2 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74		81	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		35	29	24		35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1167	1167	1167
5°	1172	1166	1173
10°	1176	1170	1180
15°	1187	1183	1190
20°	1203	1200	1209
25°	1217	1220	1225
30°	1242	1247	1252
35°	1262	1269	1284
40°	1273	1294	1323
45°	1250	1288	1331
50°	1207	1277	1328
55°	1170	1270	1343
60°	1124	1268	1353
65°	1074	1262	1365
70°	1001	1248	1380
75°	896	1217	1359
80°	746	1123	1044
85°	563	658	548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	2.9
10°-20°	241.1	8.4
20°-30°	380.3	13.2
30°-40°	485.5	16.9
40°-50°	523.0	18.2
50°-60°	481.9	16.8
60°-70°	385.4	13.4
70°-80°	236.6	8.2
80°-90°	54.0	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°	704.0	24.5
0°-40°	1189.5	41.4
0°-60°	2194.3	76.5
0°-90°	2870.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2870.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	868	868	864	869	869	83
15°	852	853	849	854	854	241
25°	820	821	822	826	825	379
35°	768	770	772	780	782	480
45°	657	664	677	694	699	506
55°	499	512	541	566	573	446
65°	338	360	396	421	429	333
75°	172	200	234	255	262	184
85°	36	49	43	38	36	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	867.6	867.6	867.6	867.6	867.6
2.5°	867.6	868.6	863.5	868.6	869.6
5°	867.6	867.6	863.5	868.6	868.6
7.5°	865.6	865.6	861.5	866.6	866.6
10°	860.5	860.5	856.5	861.5	863.5
12.5°	856.5	856.5	853.4	858.5	858.5
15°	852.4	853.4	849.4	854.4	854.4
17.5°	846.3	846.3	844.3	848.3	849.4
20°	840.2	840.2	838.2	843.3	844.3
22.5°	830.1	831.1	830.1	834.2	834.2
25°	820.0	821.0	822.0	826.0	825.0
27.5°	811.9	812.9	812.9	816.9	813.9
30°	799.7	802.7	802.7	804.8	805.8
32.5°	785.5	789.6	790.6	794.6	795.6
35°	768.3	770.3	772.3	780.4	781.5
37.5°	749.0	754.1	756.1	767.3	770.3
40°	724.7	730.8	736.9	751.0	753.1
42.5°	694.3	701.4	709.5	724.7	728.7
45°	656.8	663.9	677.1	694.3	699.4
47.5°	618.3	626.4	644.6	662.9	666.9
50°	576.7	588.9	610.2	631.4	634.5
52.5°	539.2	551.4	577.7	600.0	605.1
55°	498.7	511.8	541.2	565.6	572.7
57.5°	458.1	475.4	506.8	531.1	538.2
60°	417.6	435.8	471.3	493.6	502.7
62.5°	378.1	398.3	433.8	459.1	466.2
65°	337.5	359.8	396.3	420.6	428.7
67.5°	296.0	319.3	357.8	382.1	390.2
70°	254.4	280.8	317.2	343.6	350.7
72.5°	214.9	239.2	275.7	299.0	308.1
75°	172.3	199.7	234.1	255.4	261.5
77.5°	133.8	160.1	190.5	203.7	201.7
80°	96.3	123.7	144.9	140.9	134.8
82.5°	64.9	87.2	90.2	84.1	82.1
85°	36.5	48.7	42.6	37.5	35.5
87.5°	15.2	13.2	7.1	3.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)