

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: P302441

Luminaire Tested: **ZX-WO-35L930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302441
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-35L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

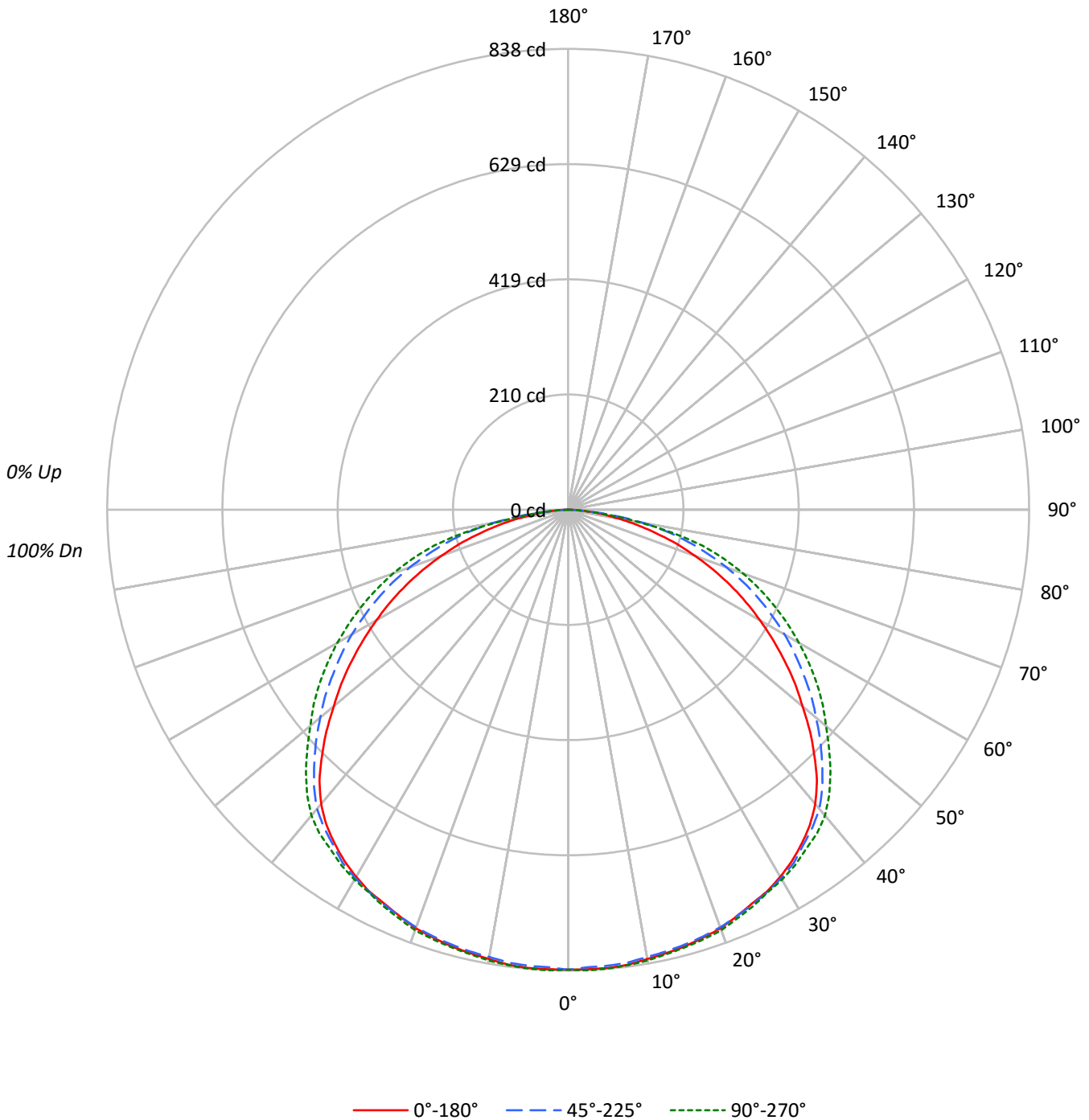
Lumens per Lamp: N/A
Luminaire Lumens: 2767.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1125	1125	1125
5°	1130	1124	1131
10°	1133	1128	1137
15°	1145	1141	1147
20°	1160	1157	1165
25°	1174	1176	1181
30°	1198	1202	1207
35°	1216	1223	1237
40°	1227	1248	1275
45°	1205	1242	1283
50°	1164	1231	1280
55°	1128	1224	1295
60°	1083	1223	1304
65°	1036	1216	1316
70°	965	1203	1330
75°	863	1173	1311
80°	719	1082	1007
85°	543	633	528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	2.9
10°-20°	232.4	8.4
20°-30°	366.6	13.2
30°-40°	468.1	16.9
40°-50°	504.2	18.2
50°-60°	464.5	16.8
60°-70°	371.5	13.4
70°-80°	228.0	8.2
80°-90°	52.0	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°	678.6	24.5
0°-40°	1146.7	41.4
0°-60°	2115.4	76.5
0°-90°	2767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	836	836	832	837	837	80
15°	822	823	819	824	824	232
25°	790	792	792	796	795	366
35°	741	743	745	752	753	463
45°	633	640	653	669	674	488
55°	481	493	522	545	552	430
65°	325	347	382	406	413	321
75°	166	192	226	246	252	177
85°	35	47	41	36	34	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.4	836.4	836.4	836.4	836.4
2.5°	836.4	837.4	832.5	837.4	838.4
5°	836.4	836.4	832.5	837.4	837.4
7.5°	834.4	834.4	830.5	835.4	835.4
10°	829.6	829.6	825.7	830.5	832.5
12.5°	825.7	825.7	822.7	827.6	827.6
15°	821.7	822.7	818.8	823.7	823.7
17.5°	815.9	815.9	813.9	817.8	818.8
20°	810.0	810.0	808.1	813.0	813.9
22.5°	800.2	801.2	800.2	804.2	804.2
25°	790.5	791.5	792.4	796.3	795.4
27.5°	782.7	783.6	783.6	787.5	784.6
30°	770.9	773.9	773.9	775.8	776.8
32.5°	757.3	761.2	762.1	766.0	767.0
35°	740.6	742.6	744.6	752.4	753.3
37.5°	722.1	727.0	728.9	739.7	742.6
40°	698.6	704.5	710.4	724.0	726.0
42.5°	669.3	676.2	684.0	698.6	702.5
45°	633.2	640.0	652.7	669.3	674.2
47.5°	596.0	603.9	621.4	639.0	642.9
50°	556.0	567.7	588.2	608.7	611.7
52.5°	519.8	531.5	556.9	578.4	583.3
55°	480.7	493.4	521.8	545.2	552.1
57.5°	441.7	458.3	488.6	512.0	518.8
60°	402.6	420.2	454.4	475.8	484.6
62.5°	364.5	384.0	418.2	442.6	449.5
65°	325.4	346.9	382.0	405.5	413.3
67.5°	285.3	307.8	344.9	368.4	376.2
70°	245.3	270.7	305.8	331.2	338.1
72.5°	207.1	230.6	265.8	288.2	297.0
75°	166.1	192.5	225.7	246.2	252.1
77.5°	129.0	154.4	183.7	196.4	194.4
80°	92.8	119.2	139.7	135.8	130.0
82.5°	62.5	84.0	87.0	81.1	79.1
85°	35.2	46.9	41.0	36.2	34.2
87.5°	14.7	12.7	6.8	2.9	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)