

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: P302207

Luminaire Tested: **ZX-WO-39L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-39L835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3879.3 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

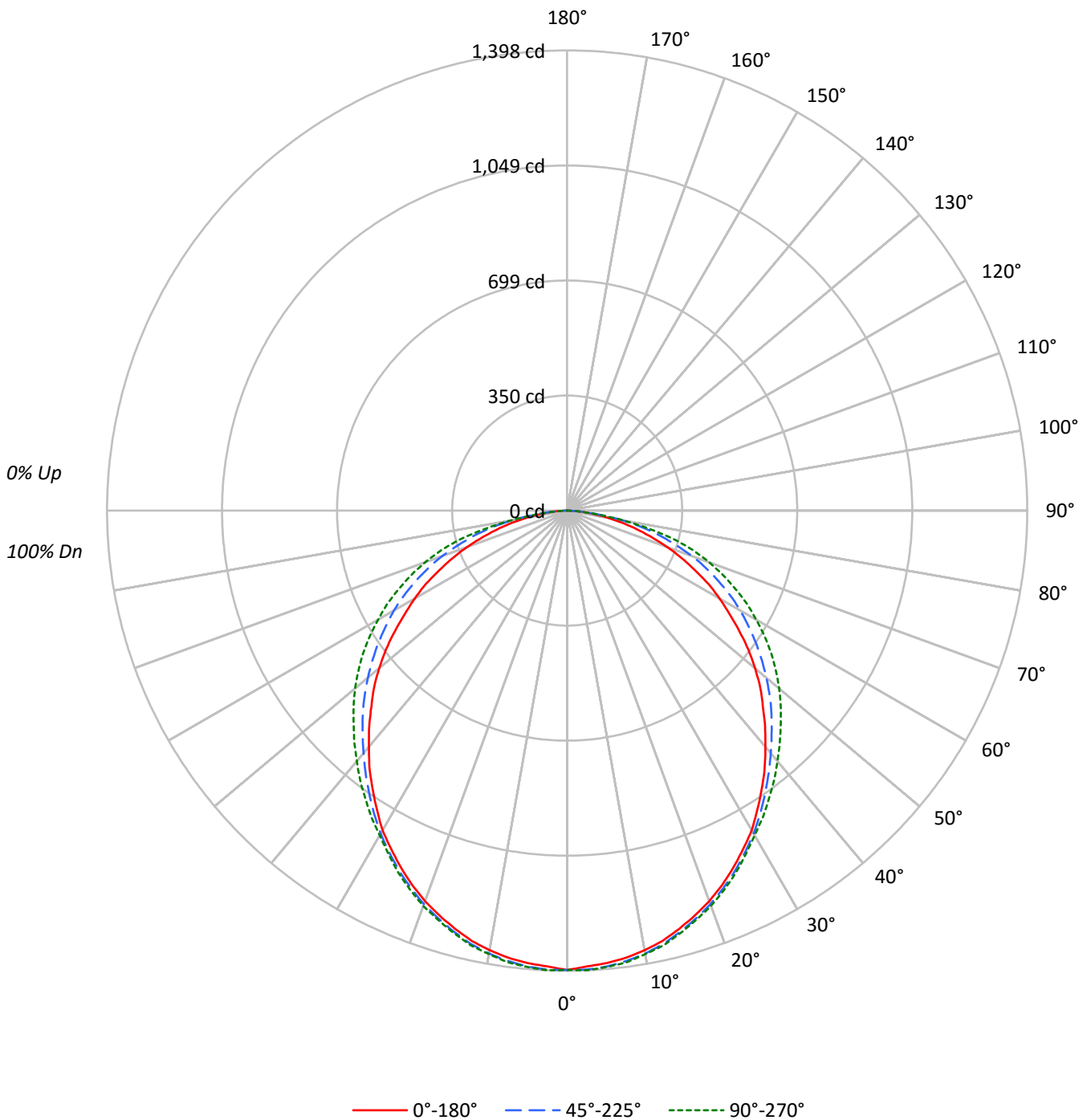
Input Watts (W): 30.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3756	3756	3756
5°	3728	3754	3760
10°	3707	3733	3739
15°	3664	3692	3703
20°	3615	3643	3660
25°	3551	3585	3603
30°	3484	3521	3539
35°	3387	3445	3510
40°	3292	3381	3491
45°	3201	3342	3491
50°	3118	3307	3521
55°	2998	3283	3550
60°	2880	3271	3566
65°	2721	3233	3595
70°	2544	3177	3609
75°	2283	3016	3485
80°	1914	2642	2673
85°	1513	1513	1210



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	3.4
10°-20°	373.3	9.6
20°-30°	555.5	14.3
30°-40°	657.1	16.9
40°-50°	679.0	17.5
50°-60°	624.3	16.1
60°-70°	496.4	12.8
70°-80°	297.3	7.7
80°-90°	64.8	1.7
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°	1060.5	27.3
0°-40°	1717.6	44.3
0°-60°	3020.8	77.9
0°-90°	3879.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3879.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1380	1384	1390	1392	1392	131
15°	1315	1319	1325	1329	1329	371
25°	1196	1200	1208	1213	1213	551
35°	1031	1037	1049	1062	1068	645
45°	841	849	878	910	917	650
55°	639	653	700	743	757	572
65°	427	453	508	553	565	425
75°	220	249	290	323	335	233
85°	49	53	49	45	39	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1395.7	1395.7	1395.7	1395.7	1395.7
2.5°	1385.9	1389.8	1395.7	1397.7	1397.7
5°	1380.0	1384.0	1389.8	1391.8	1391.8
7.5°	1370.2	1374.2	1380.0	1382.0	1384.0
10°	1356.5	1360.4	1366.3	1368.3	1368.3
12.5°	1338.9	1340.8	1348.7	1350.6	1352.6
15°	1315.3	1319.3	1325.2	1329.1	1329.1
17.5°	1289.9	1293.8	1299.7	1303.6	1303.6
20°	1262.4	1266.3	1272.2	1276.1	1278.1
22.5°	1231.1	1235.0	1240.9	1246.7	1246.7
25°	1195.8	1199.7	1207.5	1213.4	1213.4
27.5°	1158.5	1162.4	1170.3	1176.2	1176.2
30°	1121.3	1123.2	1133.0	1137.0	1138.9
32.5°	1076.2	1082.1	1091.9	1099.7	1105.6
35°	1031.1	1037.0	1048.8	1062.5	1068.4
37.5°	986.0	991.9	1005.6	1025.2	1033.1
40°	937.0	944.9	962.5	988.0	993.9
42.5°	890.0	899.8	919.4	948.8	956.6
45°	841.0	848.8	878.2	909.6	917.4
47.5°	795.9	801.8	835.1	870.4	880.2
50°	744.9	752.7	790.0	829.2	841.0
52.5°	693.9	703.7	744.9	786.1	799.8
55°	639.1	652.8	699.8	742.9	756.7
57.5°	584.2	603.8	652.8	695.9	711.6
60°	535.2	552.8	607.7	648.9	662.6
62.5°	484.2	503.8	558.7	599.8	617.5
65°	427.3	452.8	507.7	552.8	564.6
67.5°	376.4	401.9	456.7	497.9	513.6
70°	323.4	352.9	403.8	441.1	458.7
72.5°	268.6	299.9	345.0	384.2	401.9
75°	219.6	249.0	290.1	323.4	335.2
77.5°	170.5	198.0	231.3	250.9	254.8
80°	123.5	145.1	170.5	174.5	172.5
82.5°	82.3	98.0	105.9	101.9	101.9
85°	49.0	52.9	49.0	45.1	39.2
87.5°	17.6	15.7	11.8	7.8	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)