

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: P302212

Luminaire Tested: **ZX-WO-34L840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302212
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-34L840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

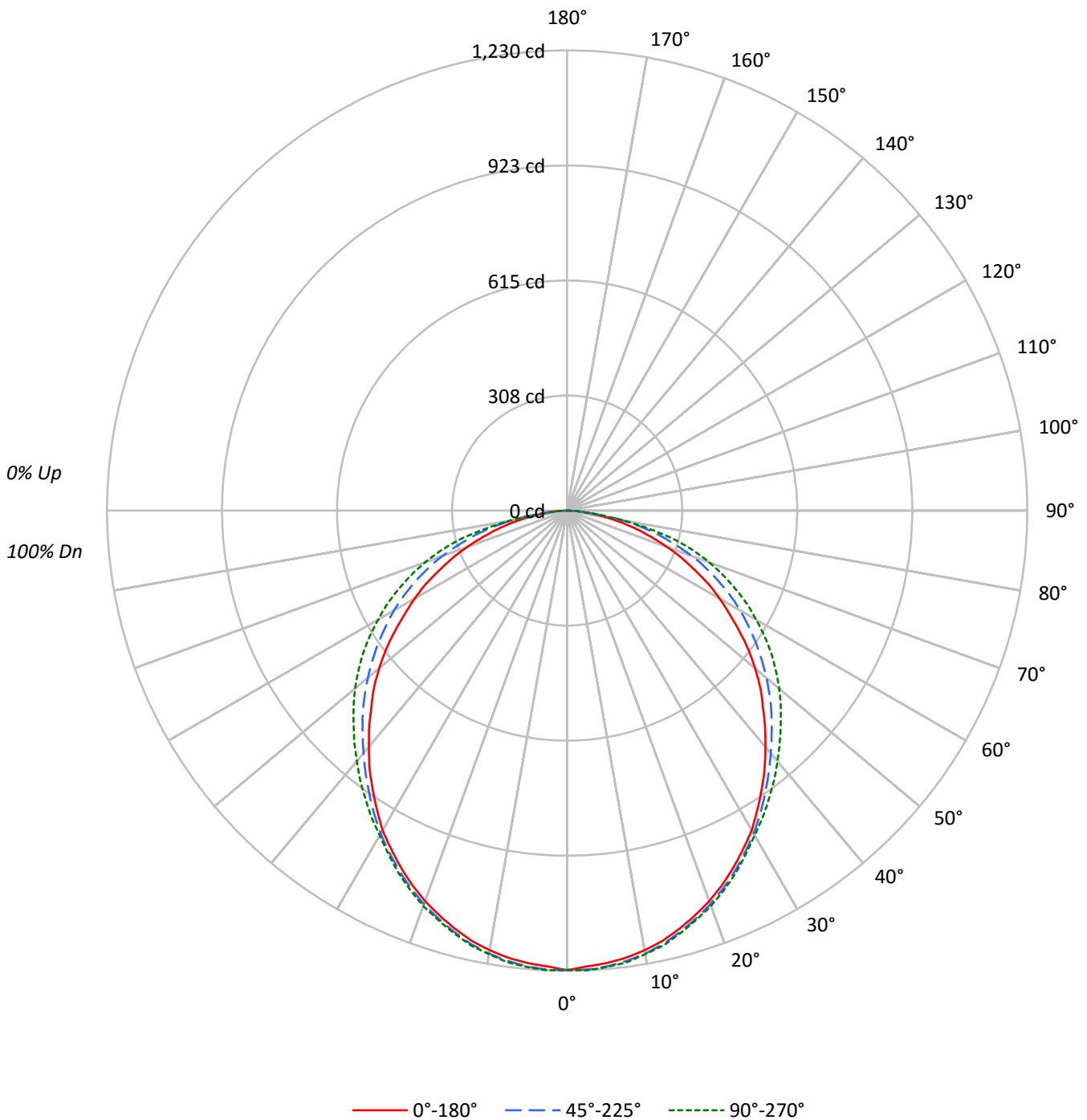
Lumens per Lamp: N/A
Luminaire Lumens: 3413.2 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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°	3305	3305	3305
5°	3280	3303	3308
10°	3261	3285	3290
15°	3224	3248	3258
20°	3181	3206	3220
25°	3124	3154	3170
30°	3065	3098	3114
35°	2980	3031	3088
40°	2896	2975	3072
45°	2816	2941	3072
50°	2744	2910	3098
55°	2638	2889	3123
60°	2534	2878	3138
65°	2394	2844	3163
70°	2239	2795	3175
75°	2009	2654	3066
80°	1684	2326	2352
85°	1331	1331	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.4
10°-20°	328.4	9.6
20°-30°	488.7	14.3
30°-40°	578.1	16.9
40°-50°	597.4	17.5
50°-60°	549.2	16.1
60°-70°	436.8	12.8
70°-80°	261.6	7.7
80°-90°	57.0	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°	933.1	27.3
0°-40°	1511.2	44.3
0°-60°	2657.8	77.9
0°-90°	3413.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3413.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1228	1228	1228	1228	1228	
5°	1214	1218	1223	1225	1225	115
15°	1157	1161	1166	1169	1169	326
25°	1052	1056	1062	1068	1068	485
35°	907	912	923	935	940	568
45°	740	747	773	800	807	572
55°	562	574	616	654	666	503
65°	376	398	447	486	497	374
75°	193	219	255	285	295	205
85°	43	47	43	40	34	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1228.0	1228.0	1228.0	1228.0	1228.0
2.5°	1219.4	1222.8	1228.0	1229.7	1229.7
5°	1214.2	1217.7	1222.8	1224.6	1224.6
7.5°	1205.6	1209.0	1214.2	1215.9	1217.7
10°	1193.5	1197.0	1202.1	1203.9	1203.9
12.5°	1178.0	1179.7	1186.6	1188.3	1190.1
15°	1157.3	1160.7	1165.9	1169.4	1169.4
17.5°	1134.9	1138.3	1143.5	1146.9	1146.9
20°	1110.7	1114.2	1119.4	1122.8	1124.5
22.5°	1083.1	1086.6	1091.8	1096.9	1096.9
25°	1052.1	1055.5	1062.4	1067.6	1067.6
27.5°	1019.3	1022.8	1029.7	1034.8	1034.8
30°	986.5	988.3	996.9	1000.3	1002.1
32.5°	946.9	952.1	960.7	967.6	972.7
35°	907.2	912.4	922.7	934.8	940.0
37.5°	867.5	872.7	884.8	902.0	908.9
40°	824.4	831.3	846.8	869.3	874.4
42.5°	783.0	791.7	808.9	834.8	841.7
45°	739.9	746.8	772.7	800.3	807.2
47.5°	700.2	705.4	734.7	765.8	774.4
50°	655.4	662.3	695.1	729.6	739.9
52.5°	610.6	619.2	655.4	691.6	703.7
55°	562.3	574.3	615.7	653.7	665.7
57.5°	514.0	531.2	574.3	612.3	626.1
60°	470.9	486.4	534.7	570.9	583.0
62.5°	426.0	443.3	491.5	527.8	543.3
65°	376.0	398.4	446.7	486.4	496.7
67.5°	331.1	353.6	401.9	438.1	451.9
70°	284.6	310.5	355.3	388.1	403.6
72.5°	236.3	263.9	303.6	338.0	353.6
75°	193.2	219.0	255.3	284.6	294.9
77.5°	150.1	174.2	203.5	220.8	224.2
80°	108.7	127.6	150.1	153.5	151.8
82.5°	72.4	86.2	93.1	89.7	89.7
85°	43.1	46.6	43.1	39.7	34.5
87.5°	15.5	13.8	10.3	6.9	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)