

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: P302136

Luminaire Tested: **ZX-WO-34H835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-34H835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

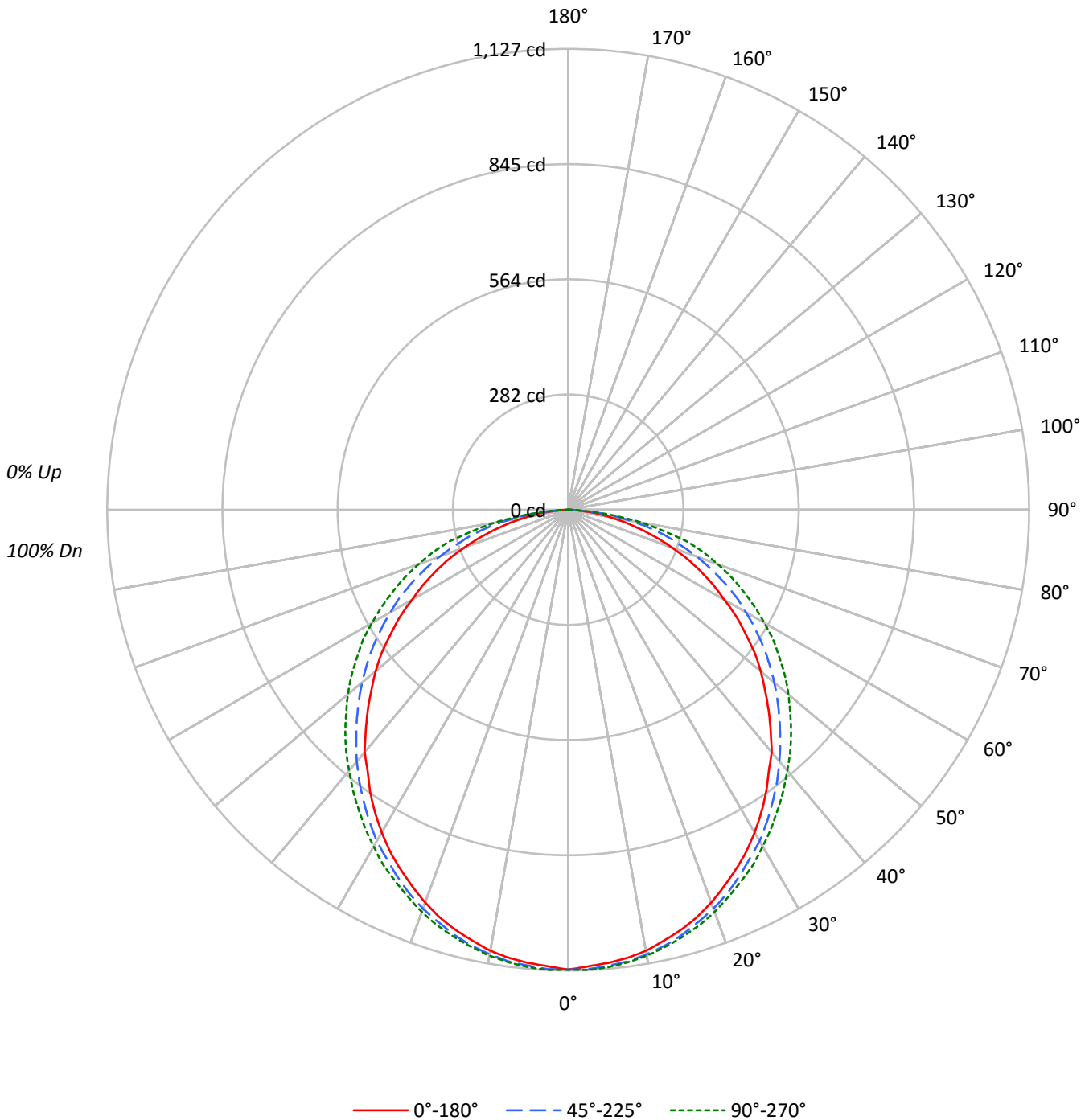
Lumens per Lamp: N/A
Luminaire Lumens: 3224.3 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.5
Input Voltage (V): 120
Input Current (A_{in}): 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	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3027	3027	3027
5°	3006	3024	3034
10°	2993	3017	3026
15°	2964	2998	3013
20°	2928	2972	2997
25°	2881	2938	2974
30°	2832	2907	2956
35°	2771	2863	2937
40°	2720	2823	2927
45°	2636	2781	2933
50°	2573	2754	2943
55°	2484	2728	2956
60°	2373	2700	2980
65°	2277	2675	3007
70°	2117	2622	3059
75°	1877	2563	3122
80°	1587	2394	2825
85°	1127	1661	1609



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.3
10°-20°	303.1	9.4
20°-30°	455.4	14.1
30°-40°	544.8	16.9
40°-50°	564.9	17.5
50°-60°	519.6	16.1
60°-70°	412.4	12.8
70°-80°	254.7	7.9
80°-90°	63.3	2.0
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°	864.7	26.8
0°-40°	1409.5	43.7
0°-60°	2494.0	77.3
0°-90°	3224.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3224.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	1113	1116	1120	1123	1123	106
15°	1064	1068	1076	1081	1081	300
25°	970	977	989	1000	1002	447
35°	844	852	871	889	894	528
45°	693	705	731	760	771	535
55°	529	543	582	621	630	474
65°	358	373	420	460	472	354
75°	180	205	246	285	300	193
85°	36	47	54	54	52	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1124.8	1124.8	1124.8	1124.8	1124.8
2.5°	1117.9	1119.6	1124.8	1126.6	1126.6
5°	1112.7	1116.2	1119.6	1123.1	1123.1
7.5°	1105.7	1109.2	1114.4	1116.2	1116.2
10°	1095.3	1098.8	1104.0	1107.5	1107.5
12.5°	1079.7	1084.9	1091.9	1095.3	1095.3
15°	1064.1	1067.6	1076.2	1081.4	1081.4
17.5°	1045.0	1048.5	1057.1	1064.1	1065.8
20°	1022.4	1025.9	1038.0	1045.0	1046.7
22.5°	996.4	1001.6	1015.5	1022.4	1024.2
25°	970.3	977.3	989.4	999.9	1001.6
27.5°	942.6	949.5	961.7	975.6	979.0
30°	911.3	918.3	935.6	947.8	951.3
32.5°	878.3	887.0	904.4	920.0	923.5
35°	843.6	852.3	871.4	888.8	894.0
37.5°	805.4	817.6	838.4	857.5	864.5
40°	774.2	781.1	803.7	826.3	833.2
42.5°	732.5	742.9	767.3	793.3	803.7
45°	692.6	704.8	730.8	760.3	770.7
47.5°	652.7	664.8	694.3	725.6	736.0
50°	614.5	624.9	657.9	692.6	703.0
52.5°	574.6	585.0	619.7	657.9	668.3
55°	529.4	543.3	581.5	621.4	630.1
57.5°	487.8	501.7	541.6	579.8	595.4
60°	440.9	458.3	501.7	539.9	553.7
62.5°	401.0	414.9	463.5	501.7	513.8
65°	357.6	373.2	420.1	460.0	472.2
67.5°	315.9	331.6	376.7	416.6	432.2
70°	269.1	286.4	333.3	373.2	388.8
72.5°	225.7	246.5	288.2	329.8	347.2
75°	180.5	204.8	246.5	284.7	300.3
77.5°	140.6	161.4	201.4	227.4	236.1
80°	102.4	123.2	154.5	171.9	182.3
82.5°	69.4	81.6	105.9	118.0	118.0
85°	36.5	46.9	53.8	53.8	52.1
87.5°	12.2	13.9	10.4	5.2	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)