

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: P302148

Luminaire Tested: **ZX-WO-34H930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302148
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-34H930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

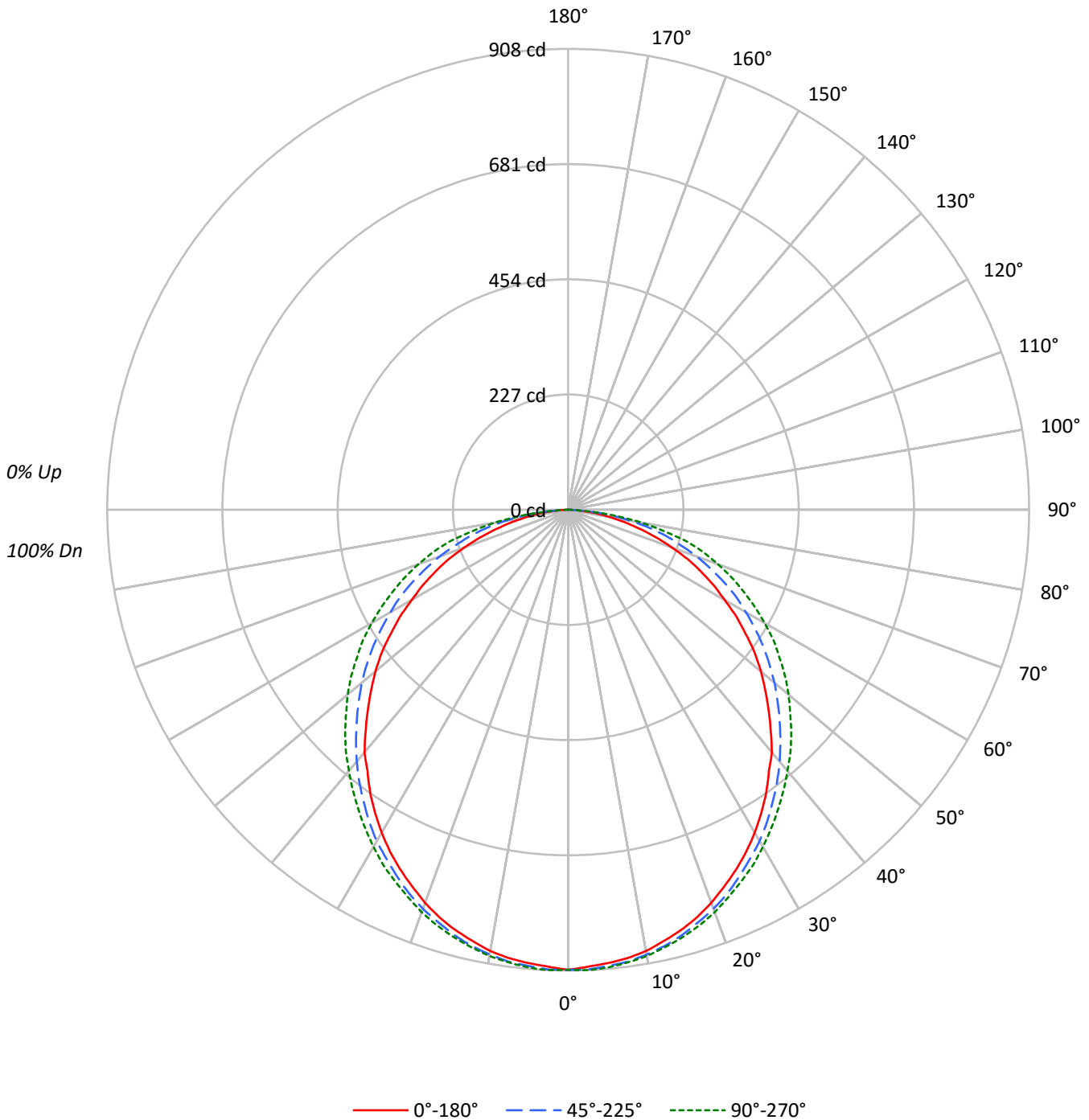
Lumens per Lamp: N/A
Luminaire Lumens: 2599.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.5
Input Voltage (V): 120
Input Current (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	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°	2440	2440	2440
5°	2423	2438	2445
10°	2413	2432	2440
15°	2390	2417	2429
20°	2360	2396	2416
25°	2322	2368	2397
30°	2283	2344	2383
35°	2234	2307	2367
40°	2192	2276	2360
45°	2125	2242	2364
50°	2074	2220	2372
55°	2002	2199	2383
60°	1913	2176	2403
65°	1836	2156	2423
70°	1707	2114	2466
75°	1513	2066	2517
80°	1280	1929	2276
85°	908	1340	1297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	3.3
10°-20°	244.3	9.4
20°-30°	367.1	14.1
30°-40°	439.1	16.9
40°-50°	455.4	17.5
50°-60°	418.8	16.1
60°-70°	332.4	12.8
70°-80°	205.3	7.9
80°-90°	51.0	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°	697.1	26.8
0°-40°	1136.2	43.7
0°-60°	2010.4	77.3
0°-90°	2599.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	897	900	902	905	905	85
15°	858	861	868	872	872	242
25°	782	788	798	806	807	360
35°	680	687	702	716	721	425
45°	558	568	589	613	621	431
55°	427	438	469	501	508	382
65°	288	301	339	371	381	285
75°	146	165	199	230	242	156
85°	29	38	43	43	42	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	906.7	906.7	906.7	906.7	906.7
2.5°	901.1	902.5	906.7	908.1	908.1
5°	896.9	899.7	902.5	905.3	905.3
7.5°	891.4	894.1	898.3	899.7	899.7
10°	883.0	885.8	890.0	892.8	892.8
12.5°	870.4	874.6	880.2	883.0	883.0
15°	857.8	860.6	867.6	871.8	871.8
17.5°	842.4	845.2	852.2	857.8	859.2
20°	824.2	827.0	836.8	842.4	843.8
22.5°	803.2	807.4	818.6	824.2	825.6
25°	782.2	787.8	797.6	806.0	807.4
27.5°	759.8	765.4	775.2	786.4	789.2
30°	734.6	740.2	754.2	764.0	766.8
32.5°	708.0	715.0	729.0	741.6	744.4
35°	680.1	687.1	702.4	716.4	720.6
37.5°	649.3	659.1	675.9	691.3	696.8
40°	624.1	629.7	647.9	666.1	671.7
42.5°	590.5	598.9	618.5	639.5	647.9
45°	558.3	568.1	589.1	612.9	621.3
47.5°	526.1	535.9	559.7	584.9	593.3
50°	495.4	503.7	530.3	558.3	566.7
52.5°	463.2	471.6	499.5	530.3	538.7
55°	426.8	438.0	468.8	500.9	507.9
57.5°	393.2	404.4	436.6	467.4	480.0
60°	355.4	369.4	404.4	435.2	446.4
62.5°	323.2	334.4	373.6	404.4	414.2
65°	288.3	300.8	338.6	370.8	380.6
67.5°	254.7	267.3	303.6	335.8	348.4
70°	216.9	230.9	268.7	300.8	313.4
72.5°	181.9	198.7	232.3	265.9	279.9
75°	145.5	165.1	198.7	229.5	242.1
77.5°	113.3	130.1	162.3	183.3	190.3
80°	82.6	99.3	124.5	138.5	146.9
82.5°	56.0	65.8	85.4	95.2	95.2
85°	29.4	37.8	43.4	43.4	42.0
87.5°	9.8	11.2	8.4	4.2	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)