

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: P302142

Luminaire Tested: **ZX-WO-34H840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302142
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-34H840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

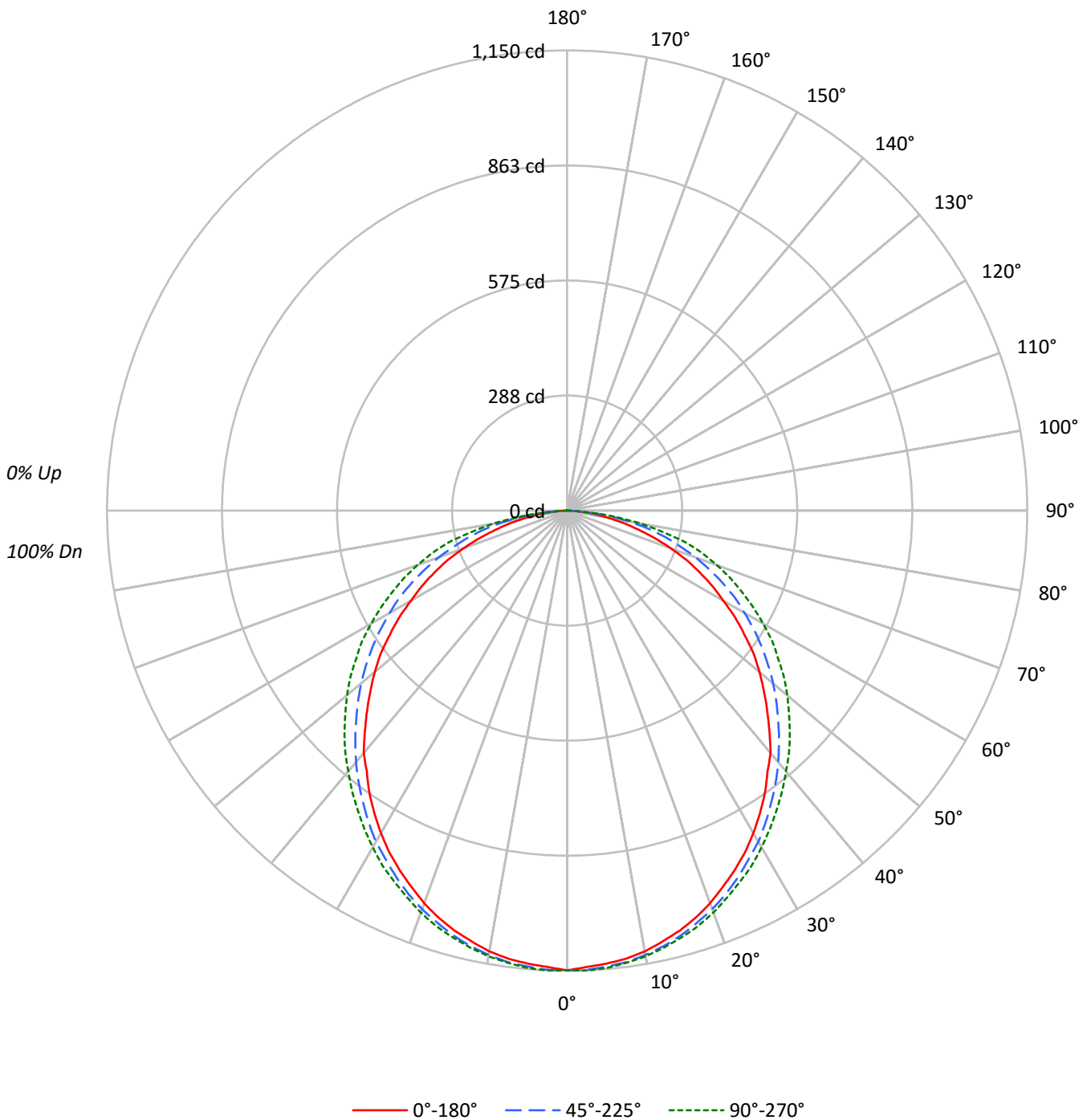
Lumens per Lamp: N/A
Luminaire Lumens: 3292.9 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	3091	3091	3091
5°	3069	3089	3098
10°	3057	3081	3090
15°	3027	3062	3077
20°	2990	3036	3061
25°	2942	3000	3037
30°	2892	2969	3019
35°	2830	2923	2999
40°	2778	2883	2989
45°	2692	2840	2995
50°	2627	2813	3006
55°	2537	2786	3019
60°	2423	2757	3043
65°	2325	2732	3070
70°	2162	2678	3124
75°	1917	2617	3189
80°	1621	2445	2884
85°	1149	1698	1643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	3.3
10°-20°	309.5	9.4
20°-30°	465.0	14.1
30°-40°	556.4	16.9
40°-50°	576.9	17.5
50°-60°	530.6	16.1
60°-70°	421.1	12.8
70°-80°	260.1	7.9
80°-90°	64.6	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°	883.1	26.8
0°-40°	1439.5	43.7
0°-60°	2547.0	77.3
0°-90°	3292.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3292.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1149	1149	1149	1149	1149	
5°	1136	1140	1143	1147	1147	108
15°	1087	1090	1099	1104	1104	306
25°	991	998	1010	1021	1023	457
35°	862	870	890	908	913	539
45°	707	720	746	776	787	546
55°	541	555	594	635	644	484
65°	365	381	429	470	482	361
75°	184	209	252	291	307	197
85°	37	48	55	55	53	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1148.8	1148.8	1148.8	1148.8	1148.8
2.5°	1141.7	1143.4	1148.8	1150.5	1150.5
5°	1136.3	1139.9	1143.4	1147.0	1147.0
7.5°	1129.3	1132.8	1138.1	1139.9	1139.9
10°	1118.6	1122.2	1127.5	1131.0	1131.0
12.5°	1102.7	1108.0	1115.1	1118.6	1118.6
15°	1086.7	1090.3	1099.1	1104.4	1104.4
17.5°	1067.2	1070.8	1079.6	1086.7	1088.5
20°	1044.2	1047.7	1060.1	1067.2	1069.0
22.5°	1017.6	1022.9	1037.1	1044.2	1045.9
25°	991.0	998.1	1010.5	1021.1	1022.9
27.5°	962.6	969.7	982.1	996.3	999.8
30°	930.7	937.8	955.5	967.9	971.5
32.5°	897.0	905.9	923.6	939.6	943.1
35°	861.6	870.4	889.9	907.7	913.0
37.5°	822.6	835.0	856.3	875.8	882.8
40°	790.7	797.7	820.8	843.8	850.9
42.5°	748.1	758.7	783.6	810.2	820.8
45°	707.3	719.7	746.3	776.5	787.1
47.5°	666.6	679.0	709.1	741.0	751.7
50°	627.6	638.2	671.9	707.3	718.0
52.5°	586.8	597.4	632.9	671.9	682.5
55°	540.7	554.9	593.9	634.7	643.5
57.5°	498.2	512.3	553.1	592.1	608.1
60°	450.3	468.0	512.3	551.3	565.5
62.5°	409.5	423.7	473.3	512.3	524.7
65°	365.2	381.1	429.0	469.8	482.2
67.5°	322.6	338.6	384.7	425.5	441.4
70°	274.8	292.5	340.4	381.1	397.1
72.5°	230.5	251.7	294.3	336.8	354.6
75°	184.4	209.2	251.7	290.7	306.7
77.5°	143.6	164.9	205.6	232.2	241.1
80°	104.6	125.9	157.8	175.5	186.1
82.5°	70.9	83.3	108.1	120.5	120.5
85°	37.2	47.9	55.0	55.0	53.2
87.5°	12.4	14.2	10.6	5.3	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)