

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: P302323

Luminaire Tested: **ZX-WO-35H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-35H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

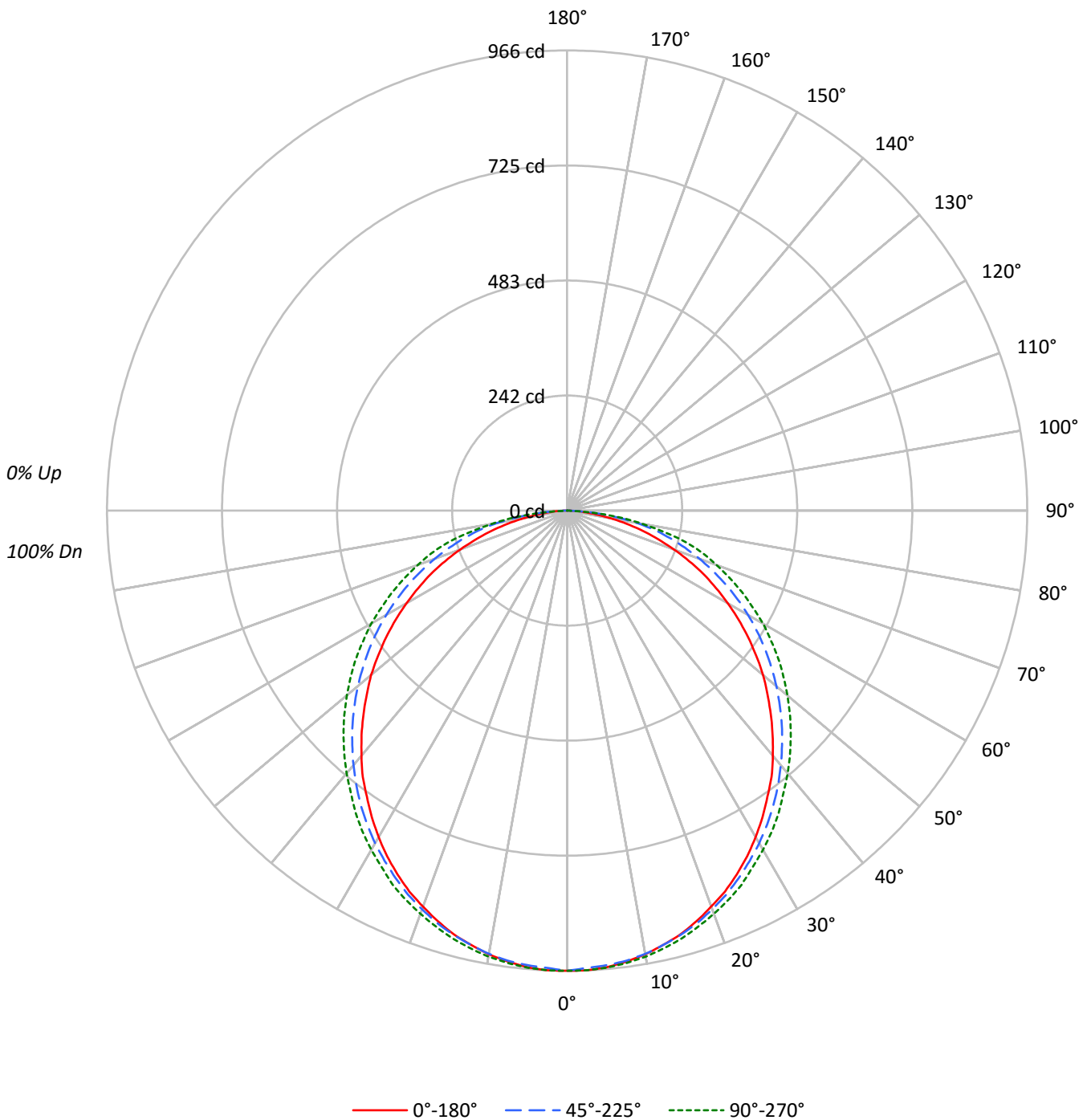
Lumens per Lamp: N/A
Luminaire Lumens: 2811.8 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1300	1300	1300
5°	1299	1294	1301
10°	1292	1291	1299
15°	1283	1284	1295
20°	1267	1275	1290
25°	1251	1264	1287
30°	1229	1253	1278
35°	1204	1240	1272
40°	1180	1226	1265
45°	1150	1213	1263
50°	1124	1200	1263
55°	1088	1190	1270
60°	1048	1181	1278
65°	1007	1170	1288
70°	940	1161	1312
75°	856	1164	1352
80°	708	1151	1245
85°	542	914	883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	3.2
10°-20°	260.8	9.3
20°-30°	393.4	14.0
30°-40°	472.3	16.8
40°-50°	491.2	17.5
50°-60°	451.8	16.1
60°-70°	360.1	12.8
70°-80°	228.2	8.1
80°-90°	62.7	2.2
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°	745.6	26.5
0°-40°	1217.9	43.3
0°-60°	2160.9	76.8
0°-90°	2811.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2811.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	962	962	958	963	963	91
15°	921	921	922	929	930	259
25°	842	846	852	864	867	388
35°	733	741	755	769	774	459
45°	604	618	638	658	664	467
55°	464	479	507	532	541	415
65°	316	332	368	396	405	312
75°	165	186	224	252	260	173
85°	35	50	59	58	57	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.0	966.0	966.0	966.0	966.0
2.5°	966.0	966.0	961.0	966.0	966.0
5°	962.0	962.0	958.0	963.0	963.0
7.5°	955.0	956.0	953.0	958.0	958.0
10°	945.9	946.9	944.9	950.9	950.9
12.5°	933.9	934.9	933.9	940.9	940.9
15°	920.8	920.8	921.8	928.9	929.9
17.5°	903.8	905.8	907.8	915.8	915.8
20°	884.7	887.7	890.7	900.7	900.7
22.5°	865.6	868.6	872.6	882.7	884.7
25°	842.5	846.5	851.5	863.6	866.6
27.5°	818.4	821.4	829.4	842.5	843.5
30°	791.3	796.3	806.3	819.4	822.4
32.5°	763.2	770.2	781.2	796.3	799.3
35°	733.0	741.1	755.1	769.2	774.2
37.5°	704.9	711.0	727.0	743.1	746.1
40°	671.8	680.8	697.9	716.0	720.0
42.5°	638.7	648.7	667.8	685.8	692.9
45°	604.5	617.6	637.6	657.7	663.8
47.5°	570.4	584.4	605.5	627.6	634.6
50°	537.2	550.3	573.4	596.5	603.5
52.5°	500.1	515.1	540.2	565.3	572.4
55°	463.9	479.0	507.1	532.2	541.2
57.5°	426.8	443.8	473.0	499.1	507.1
60°	389.6	407.7	438.8	464.9	475.0
62.5°	352.5	369.5	403.7	429.8	438.8
65°	316.3	332.4	367.5	395.6	404.7
67.5°	277.2	295.2	331.4	360.5	368.5
70°	239.0	257.1	295.2	325.4	333.4
72.5°	199.8	220.9	259.1	288.2	299.2
75°	164.7	185.8	223.9	252.0	260.1
77.5°	127.5	148.6	187.8	207.9	208.9
80°	91.4	115.5	148.6	156.7	160.7
82.5°	60.3	83.3	102.4	112.5	112.5
85°	35.1	50.2	59.2	58.2	57.2
87.5°	13.1	17.1	14.1	10.0	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)