Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P302411

Luminaire Tested: **ZX-WO-35L830-UNV-24-STD**

Issue Date: 3/3/2020

Report Generated By E9808136 / USAU2WHP6039969

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Test Information

Test Method:	LM-79-08
Report Number:	P302411
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	CORELITE
Catalog Number:	ZX-WO-35L830-UNV-24-STD
Description:	CORELITE CLASS RX 2X2 LED LUMINAIRE. FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source:	(168)3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3366.8 lumens
Efficiency:	N/A
Efficacy:	125.2 lumens/watt
Spacing Criteria (0/90/45):	1.37 / 1.39 / 1.48
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct

Input Watts (W):	26.9
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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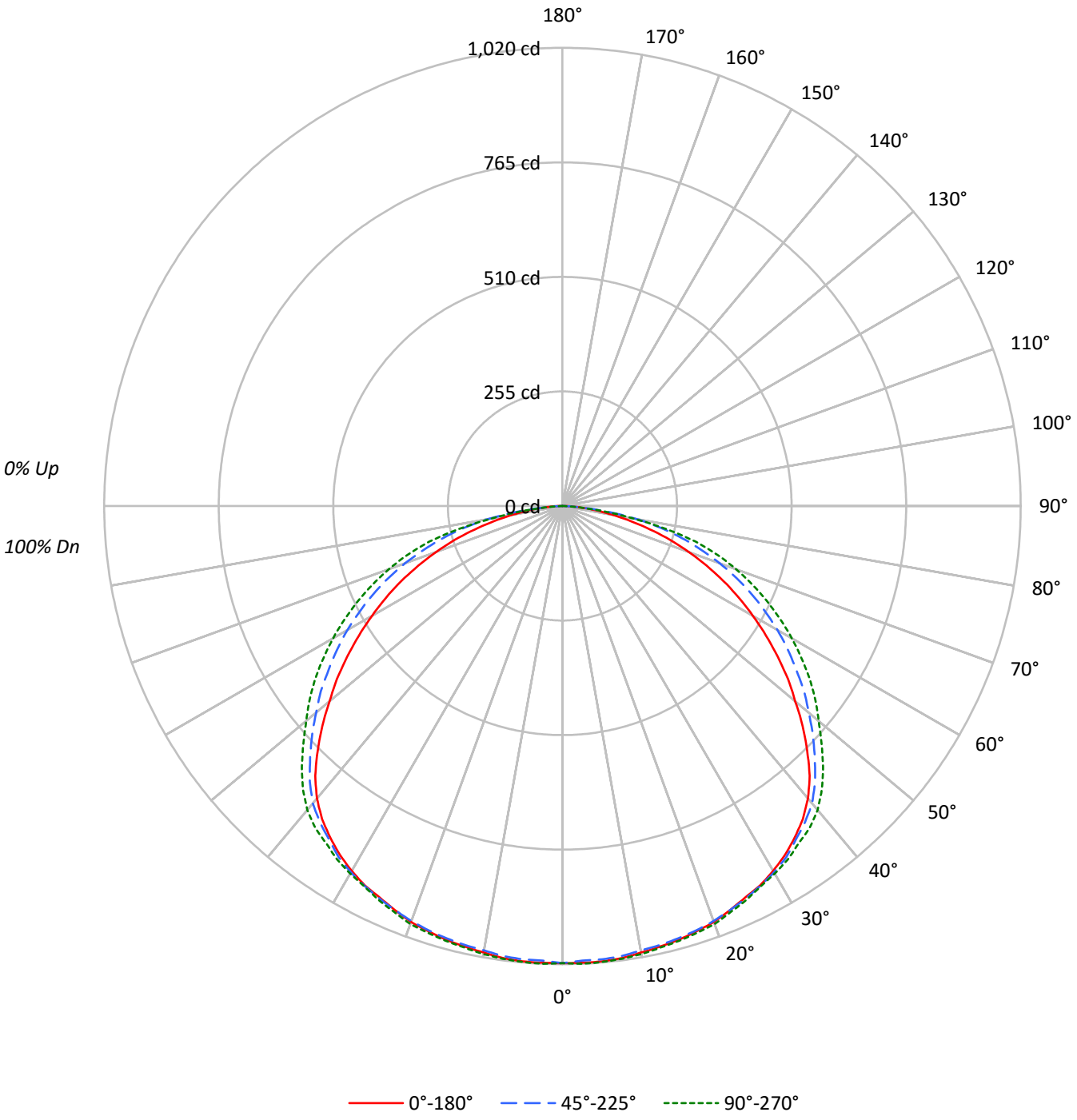
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1369	1369	1369
5°	1375	1368	1376
10°	1379	1373	1384
15°	1393	1388	1396
20°	1411	1408	1418
25°	1428	1431	1437
30°	1457	1463	1468
35°	1480	1488	1506
40°	1493	1518	1552
45°	1466	1511	1561
50°	1416	1498	1558
55°	1372	1489	1576
60°	1318	1488	1587
65°	1260	1480	1601
70°	1174	1464	1618
75°	1051	1428	1594
80°	875	1317	1225
85°	661	770	642

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	2.9
10°-20°	282.8	8.4
20°-30°	446.1	13.2
30°-40°	569.5	16.9
40°-50°	613.5	18.2
50°-60°	565.2	16.8
60°-70°	452.1	13.4
70°-80°	277.5	8.2
80°-90°	63.3	1.9
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°	825.8	24.5
0°-40°	1395.3	41.4
0°-60°	2573.9	76.5
0°-90°	3366.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3366.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1018	1018	1013	1019	1019	97
15°	1000	1001	996	1002	1002	283
25°	962	963	964	969	968	445
35°	901	904	906	916	917	564
45°	770	779	794	814	820	593
55°	585	600	635	663	672	523
65°	396	422	465	493	503	391
75°	202	234	275	300	307	215
85°	43	57	50	44	42	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.7	1017.7	1017.7	1017.7	*1017.7*
2.5°	*1017.7*	*1018.9*	*1012.9*	*1018.9*	*1020.1*
5°	1017.7	1017.7	1012.9	1018.9	*1018.9*
7.5°	1015.3	1015.3	1010.6	1016.5	*1016.5*
10°	1009.4	1009.4	1004.6	1010.6	*1012.9*
12.5°	1004.6	1004.6	1001.1	1007.0	*1007.0*
15°	999.9	1001.1	996.3	1002.2	*1002.2*
17.5°	992.7	992.7	990.4	995.1	*996.3*
20°	985.6	985.6	983.2	989.2	*990.4*
22.5°	973.7	974.9	973.7	978.5	*978.5*
25°	961.8	963.0	964.2	969.0	*967.8*
27.5°	952.3	953.5	953.5	958.3	*954.7*
30°	938.0	941.6	941.6	944.0	*945.2*
32.5°	921.4	926.2	927.3	932.1	*933.3*
35°	901.2	903.6	905.9	915.5	*916.6*
37.5°	878.6	884.5	886.9	900.0	*903.6*
40°	850.1	857.2	864.3	881.0	*883.4*
42.5°	814.4	822.7	832.2	850.1	*854.8*
45°	770.4	778.7	794.2	814.4	*820.3*
47.5°	725.2	734.7	756.1	777.5	*782.3*
50°	676.5	690.8	715.7	740.7	*744.3*
52.5°	632.5	646.8	677.7	703.8	*709.8*
55°	584.9	600.4	634.9	663.4	*671.7*
57.5°	537.4	557.6	594.5	623.0	*631.3*
60°	489.8	511.2	552.8	579.0	*589.7*
62.5°	443.5	467.2	508.9	538.6	*546.9*
65°	395.9	422.1	464.9	493.4	*502.9*
67.5°	347.2	374.5	419.7	448.2	*457.7*
70°	298.4	329.3	372.1	403.0	*411.4*
72.5°	252.0	280.6	323.4	350.7	*361.4*
75°	202.1	234.2	274.6	299.6	*306.7*
77.5°	156.9	187.8	223.5	239.0	*236.6*
80°	112.9	145.0	170.0	165.3	*158.1*
82.5°	76.1	102.2	105.8	98.7	*96.3*
85°	42.8	57.1	49.9	44.0	*41.6*
87.5°	17.8	15.5	8.3	3.6	*2.4*
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)