

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: P302333

Luminaire Tested: **ZX-WO-35H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302333
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-35H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

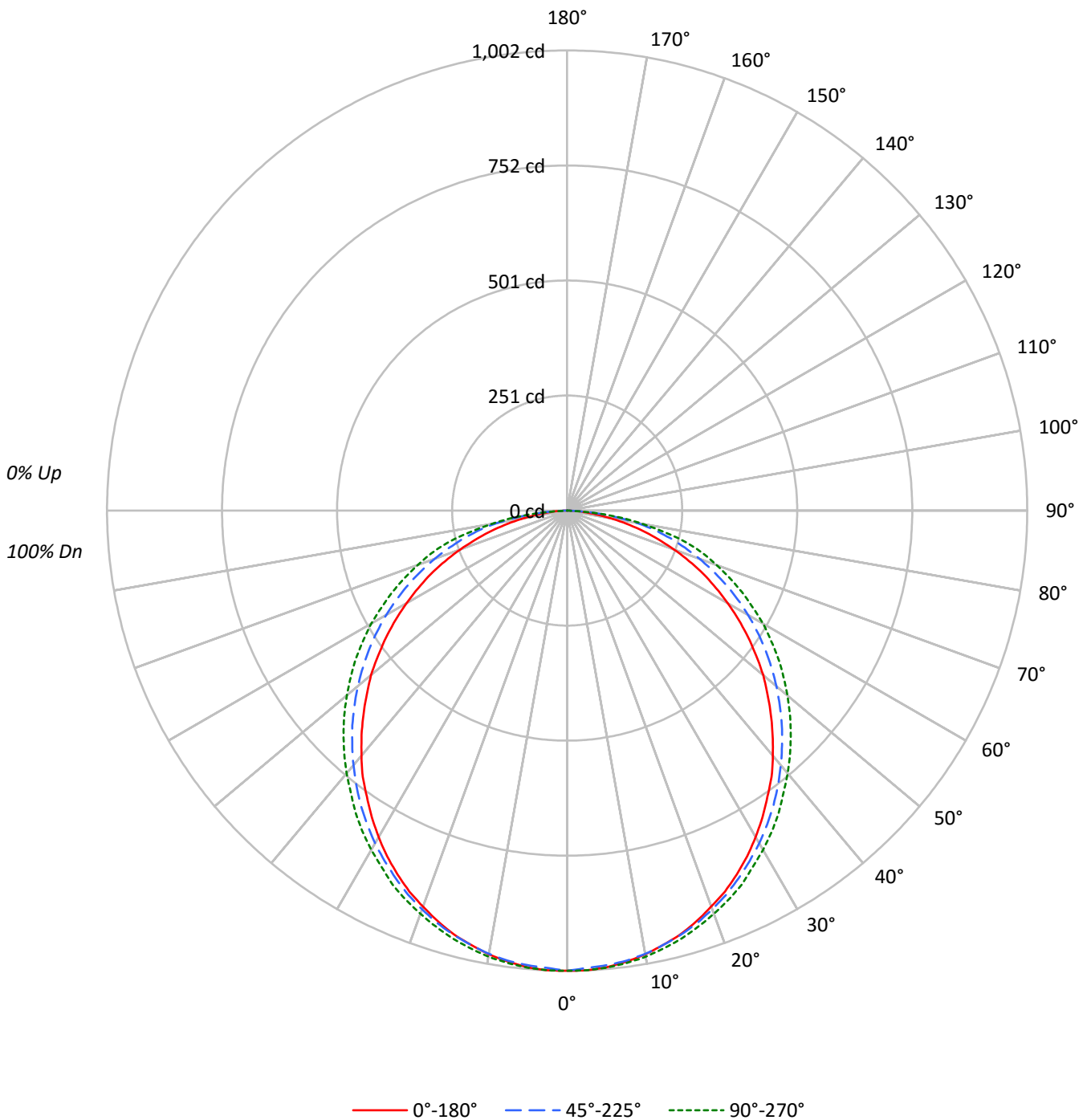
Lumens per Lamp: N/A
Luminaire Lumens: 2916.7 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1348	1348	1348
5°	1348	1342	1349
10°	1341	1339	1348
15°	1331	1332	1344
20°	1314	1323	1338
25°	1297	1311	1334
30°	1275	1299	1325
35°	1249	1287	1319
40°	1224	1271	1312
45°	1193	1259	1310
50°	1167	1245	1310
55°	1129	1234	1317
60°	1088	1225	1326
65°	1045	1214	1337
70°	975	1205	1360
75°	888	1208	1403
80°	735	1195	1292
85°	563	949	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	3.2
10°-20°	270.5	9.3
20°-30°	408.1	14.0
30°-40°	489.9	16.8
40°-50°	509.5	17.5
50°-60°	468.6	16.1
60°-70°	373.5	12.8
70°-80°	236.7	8.1
80°-90°	65.1	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°	773.4	26.5
0°-40°	1263.3	43.3
0°-60°	2241.5	76.8
0°-90°	2916.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	998	998	994	999	999	95
15°	955	955	956	964	964	269
25°	874	878	883	896	899	403
35°	760	769	783	798	803	476
45°	627	641	661	682	688	484
55°	481	497	526	552	561	430
65°	328	345	381	410	420	323
75°	171	193	232	261	270	180
85°	36	52	62	60	59	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1002.0	1002.0	996.8	1002.0	1002.0
5°	997.9	997.9	993.7	998.9	998.9
7.5°	990.6	991.6	988.5	993.7	993.7
10°	981.2	982.3	980.2	986.4	986.4
12.5°	968.7	969.8	968.7	976.0	976.0
15°	955.2	955.2	956.2	963.5	964.5
17.5°	937.5	939.5	941.6	950.0	950.0
20°	917.7	920.8	923.9	934.3	934.3
22.5°	897.9	901.0	905.2	915.6	917.7
25°	873.9	878.1	883.3	895.8	898.9
27.5°	848.9	852.1	860.4	873.9	875.0
30°	820.8	826.0	836.4	850.0	853.1
32.5°	791.6	798.9	810.4	826.0	829.1
35°	760.4	768.7	783.3	797.9	803.1
37.5°	731.2	737.5	754.1	770.8	773.9
40°	696.8	706.2	723.9	742.7	746.8
42.5°	662.5	672.9	692.7	711.4	718.7
45°	627.1	640.6	661.4	682.3	688.5
47.5°	591.6	606.2	628.1	651.0	658.3
50°	557.3	570.8	594.8	618.7	626.0
52.5°	518.7	534.4	560.4	586.4	593.7
55°	481.2	496.9	526.0	552.1	561.4
57.5°	442.7	460.4	490.6	517.7	526.0
60°	404.2	422.9	455.2	482.3	492.7
62.5°	365.6	383.3	418.7	445.8	455.2
65°	328.1	344.8	381.2	410.4	419.8
67.5°	287.5	306.2	343.7	373.9	382.3
70°	247.9	266.7	306.2	337.5	345.8
72.5°	207.3	229.2	268.7	298.9	310.4
75°	170.8	192.7	232.3	261.4	269.8
77.5°	132.3	154.2	194.8	215.6	216.7
80°	94.8	119.8	154.2	162.5	166.7
82.5°	62.5	86.5	106.2	116.7	116.7
85°	36.5	52.1	61.5	60.4	59.4
87.5°	13.5	17.7	14.6	10.4	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)