

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: P302302

Luminaire Tested: **ZX-WO-30H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302302
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-30H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

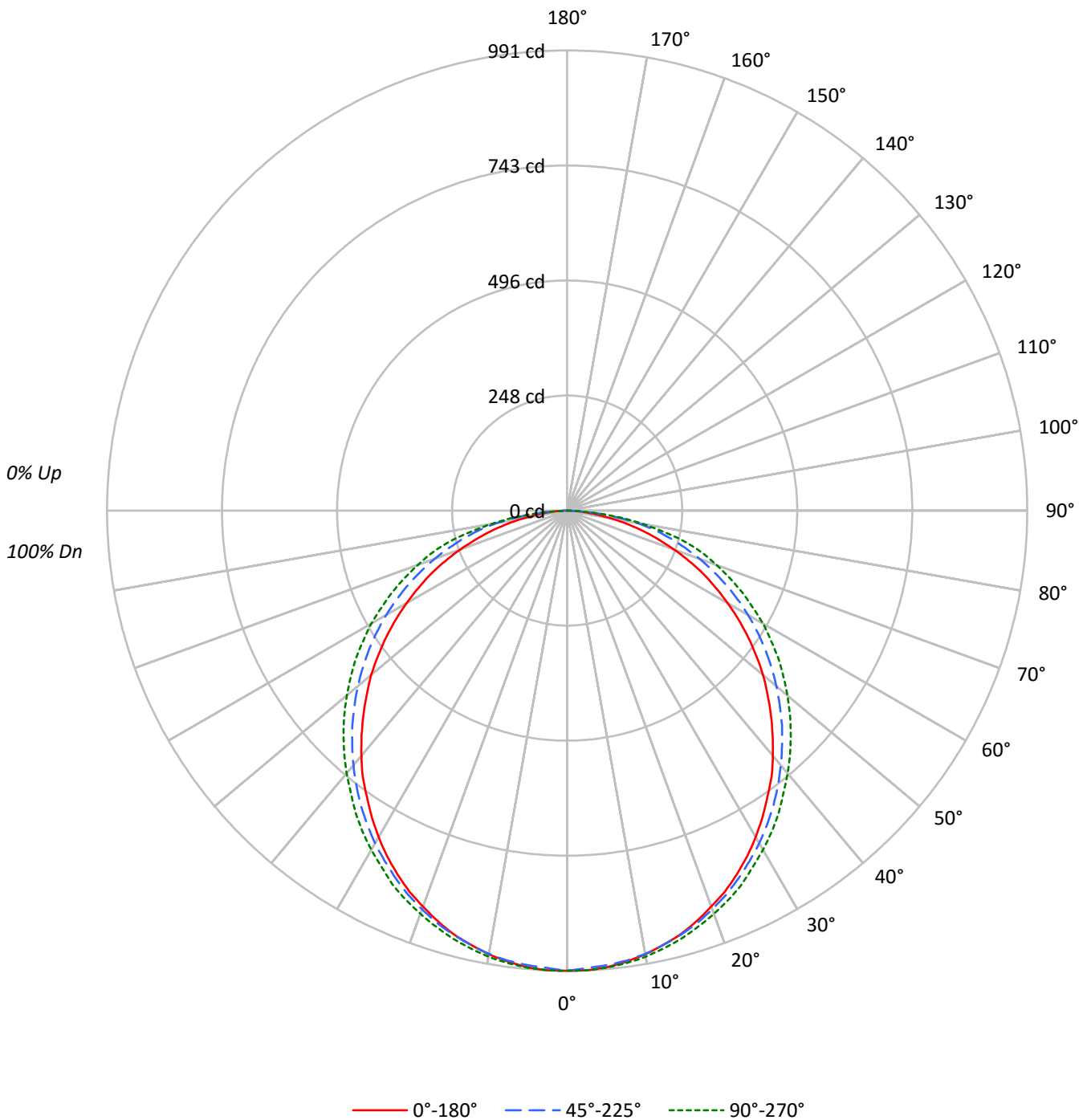
Lumens per Lamp: N/A
Luminaire Lumens: 2884.7 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	1333	1333	1333
5°	1333	1327	1334
10°	1326	1324	1333
15°	1316	1317	1329
20°	1300	1308	1323
25°	1283	1297	1320
30°	1261	1285	1311
35°	1235	1272	1305
40°	1211	1258	1297
45°	1180	1245	1296
50°	1154	1231	1296
55°	1116	1220	1303
60°	1076	1211	1311
65°	1033	1200	1322
70°	965	1192	1345
75°	878	1194	1387
80°	726	1182	1277
85°	557	939	906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	3.2
10°-20°	267.5	9.3
20°-30°	403.6	14.0
30°-40°	484.6	16.8
40°-50°	504.0	17.5
50°-60°	463.5	16.1
60°-70°	369.4	12.8
70°-80°	234.1	8.1
80°-90°	64.4	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°	764.9	26.5
0°-40°	1249.4	43.3
0°-60°	2216.8	76.8
0°-90°	2884.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	987	987	983	988	988	94
15°	945	945	946	953	954	266
25°	864	868	874	886	889	398
35°	752	760	775	789	794	471
45°	620	634	654	675	681	479
55°	476	491	520	546	555	425
65°	324	341	377	406	415	320
75°	169	191	230	259	267	178
85°	36	52	61	60	59	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.0	991.0	991.0	991.0	991.0
2.5°	991.0	991.0	985.9	991.0	991.0
5°	986.9	986.9	982.8	987.9	987.9
7.5°	979.7	980.7	977.6	982.8	982.8
10°	970.4	971.5	969.4	975.6	975.6
12.5°	958.1	959.1	958.1	965.3	965.3
15°	944.7	944.7	945.7	952.9	953.9
17.5°	927.2	929.2	931.3	939.5	939.5
20°	907.6	910.7	913.8	924.1	924.1
22.5°	888.0	891.1	895.2	905.5	907.6
25°	864.3	868.4	873.6	886.0	889.0
27.5°	839.6	842.7	850.9	864.3	865.4
30°	811.8	816.9	827.2	840.6	843.7
32.5°	782.9	790.1	801.5	816.9	820.0
35°	752.0	760.3	774.7	789.1	794.3
37.5°	723.2	729.4	745.9	762.3	765.4
40°	689.2	698.5	716.0	734.5	738.6
42.5°	655.2	665.5	685.1	703.6	710.8
45°	620.2	633.6	654.2	674.8	681.0
47.5°	585.1	599.6	621.2	643.9	651.1
50°	551.1	564.5	588.2	611.9	619.1
52.5°	513.0	528.5	554.2	580.0	587.2
55°	475.9	491.4	520.2	546.0	555.3
57.5°	437.8	455.3	485.2	512.0	520.2
60°	399.7	418.3	450.2	477.0	487.3
62.5°	361.6	379.1	414.1	440.9	450.2
65°	324.5	341.0	377.0	405.9	415.2
67.5°	284.3	302.9	340.0	369.8	378.1
70°	245.2	263.7	302.9	333.8	342.0
72.5°	205.0	226.6	265.8	295.7	307.0
75°	168.9	190.6	229.7	258.6	266.8
77.5°	130.8	152.5	192.6	213.2	214.3
80°	93.7	118.5	152.5	160.7	164.8
82.5°	61.8	85.5	105.1	115.4	115.4
85°	36.1	51.5	60.8	59.8	58.7
87.5°	13.4	17.5	14.4	10.3	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)