

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: P302420

Luminaire Tested: **ZX-WO-30L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302420
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-30L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

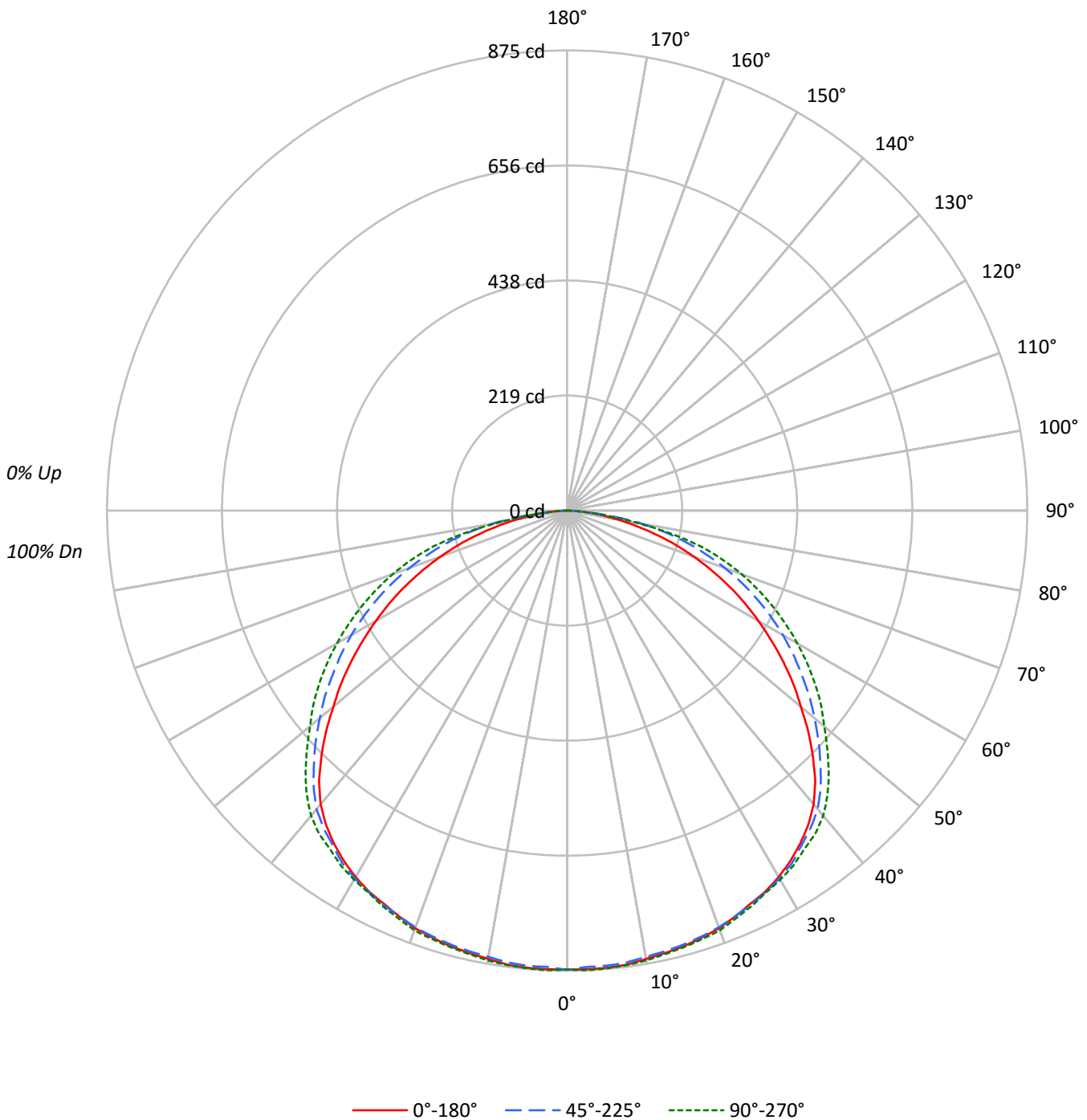
Lumens per Lamp: N/A
Luminaire Lumens: 2887.2 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.3
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	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°	1174	1174	1174
5°	1179	1173	1180
10°	1183	1177	1187
15°	1194	1190	1197
20°	1210	1207	1216
25°	1224	1227	1232
30°	1250	1255	1259
35°	1269	1276	1291
40°	1280	1302	1330
45°	1257	1296	1339
50°	1214	1285	1336
55°	1177	1277	1351
60°	1130	1276	1361
65°	1081	1269	1373
70°	1007	1255	1388
75°	901	1224	1367
80°	751	1130	1051
85°	567	661	551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	2.9
10°-20°	242.5	8.4
20°-30°	382.5	13.2
30°-40°	488.4	16.9
40°-50°	526.1	18.2
50°-60°	484.7	16.8
60°-70°	387.7	13.4
70°-80°	238.0	8.2
80°-90°	54.3	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°	708.1	24.5
0°-40°	1196.5	41.4
0°-60°	2207.2	76.5
0°-90°	2887.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2887.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	873	873	873	873	873	
5°	873	873	869	874	874	83
15°	857	858	854	860	860	242
25°	825	826	827	831	830	381
35°	773	775	777	785	786	483
45°	661	668	681	698	704	509
55°	502	515	544	569	576	448
65°	340	362	399	423	431	335
75°	173	201	236	257	263	185
85°	37	49	43	38	36	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	872.7	872.7	872.7	872.7	872.7
2.5°	872.7	873.7	868.6	873.7	874.8
5°	872.7	872.7	868.6	873.7	873.7
7.5°	870.7	870.7	866.6	871.7	871.7
10°	865.6	865.6	861.5	866.6	868.6
12.5°	861.5	861.5	858.4	863.5	863.5
15°	857.4	858.4	854.4	859.5	859.5
17.5°	851.3	851.3	849.3	853.3	854.4
20°	845.2	845.2	843.2	848.2	849.3
22.5°	835.0	836.0	835.0	839.1	839.1
25°	824.8	825.8	826.8	830.9	829.9
27.5°	816.6	817.7	817.7	821.7	818.7
30°	804.4	807.5	807.5	809.5	810.5
32.5°	790.1	794.2	795.2	799.3	800.3
35°	772.8	774.8	776.9	785.0	786.1
37.5°	753.4	758.5	760.6	771.8	774.8
40°	729.0	735.1	741.2	755.5	757.5
42.5°	698.4	705.5	713.7	729.0	733.0
45°	660.7	667.8	681.0	698.4	703.5
47.5°	621.9	630.1	648.4	666.8	670.9
50°	580.1	592.3	613.8	635.2	638.2
52.5°	542.4	554.6	581.1	603.6	608.7
55°	501.6	514.9	544.4	568.9	576.0
57.5°	460.8	478.2	509.8	534.2	541.4
60°	420.0	438.4	474.1	496.5	505.7
62.5°	380.3	400.7	436.4	461.8	469.0
65°	339.5	361.9	398.6	423.1	431.3
67.5°	297.7	321.2	359.9	384.4	392.5
70°	255.9	282.4	319.1	345.6	352.8
72.5°	216.1	240.6	277.3	300.8	309.9
75°	173.3	200.8	235.5	256.9	263.0
77.5°	134.6	161.1	191.7	204.9	202.9
80°	96.9	124.4	145.8	141.7	135.6
82.5°	65.2	87.7	90.7	84.6	82.6
85°	36.7	48.9	42.8	37.7	35.7
87.5°	15.3	13.3	7.1	3.1	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)