

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: P302242

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302242
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: RX-WO-30H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

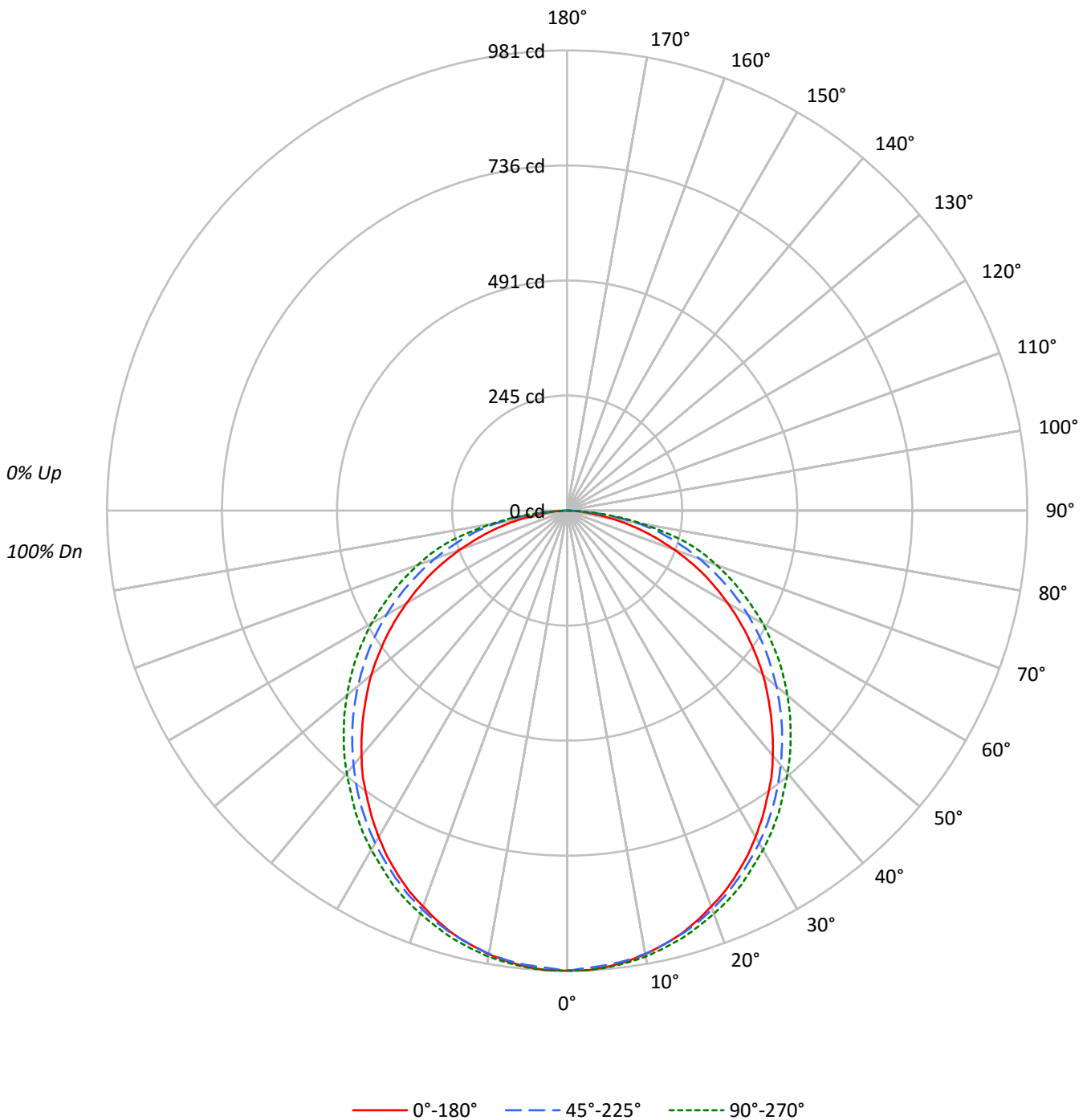
Lumens per Lamp: N/A
Luminaire Lumens: 2854.8 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1320	1320	1320
5°	1319	1314	1321
10°	1312	1311	1319
15°	1302	1304	1315
20°	1286	1295	1309
25°	1270	1284	1306
30°	1248	1272	1297
35°	1223	1259	1291
40°	1198	1245	1284
45°	1168	1232	1282
50°	1142	1219	1283
55°	1105	1208	1289
60°	1065	1199	1298
65°	1023	1188	1308
70°	954	1179	1332
75°	869	1182	1373
80°	719	1169	1264
85°	551	929	897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	3.2
10°-20°	264.8	9.3
20°-30°	399.4	14.0
30°-40°	479.6	16.8
40°-50°	498.7	17.5
50°-60°	458.7	16.1
60°-70°	365.6	12.8
70°-80°	231.6	8.1
80°-90°	63.7	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°	757.0	26.5
0°-40°	1236.5	43.3
0°-60°	2193.9	76.8
0°-90°	2854.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2854.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	977	977	973	978	978	93
15°	935	935	936	943	944	263
25°	855	860	865	877	880	394
35°	744	752	767	781	786	466
45°	614	627	647	668	674	474
55°	471	486	515	540	550	421
65°	321	338	373	402	411	317
75°	167	189	227	256	264	176
85°	36	51	60	59	58	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.8	980.8	980.8	980.8	980.8
2.5°	980.8	980.8	975.7	980.8	980.8
5°	976.7	976.7	972.6	977.7	977.7
7.5°	969.6	970.6	967.5	972.6	972.6
10°	960.4	961.4	959.4	965.5	965.5
12.5°	948.2	949.2	948.2	955.3	955.3
15°	934.9	934.9	935.9	943.1	944.1
17.5°	917.6	919.6	921.7	929.8	929.8
20°	898.2	901.3	904.3	914.5	914.5
22.5°	878.8	881.9	886.0	896.2	898.2
25°	855.4	859.5	864.6	876.8	879.9
27.5°	830.9	834.0	842.1	855.4	856.4
30°	803.4	808.5	818.7	831.9	835.0
32.5°	774.8	782.0	793.2	808.5	811.5
35°	744.3	752.4	766.7	781.0	786.1
37.5°	715.7	721.8	738.1	754.5	757.5
40°	682.1	691.2	708.6	726.9	731.0
42.5°	648.4	658.6	678.0	696.3	703.5
45°	613.8	627.0	647.4	667.8	673.9
47.5°	579.1	593.4	614.8	637.2	644.3
50°	545.4	558.7	582.2	605.6	612.7
52.5°	507.7	523.0	548.5	574.0	581.1
55°	471.0	486.3	514.9	540.4	549.5
57.5°	433.3	450.6	480.2	506.7	514.9
60°	395.6	413.9	445.5	472.0	482.2
62.5°	357.9	375.2	409.9	436.4	445.5
65°	321.2	337.5	373.1	401.7	410.9
67.5°	281.4	299.7	336.4	366.0	374.2
70°	242.6	261.0	299.7	330.3	338.5
72.5°	202.9	224.3	263.0	292.6	303.8
75°	167.2	188.6	227.4	255.9	264.1
77.5°	129.5	150.9	190.7	211.0	212.1
80°	92.8	117.2	150.9	159.0	163.1
82.5°	61.2	84.6	104.0	114.2	114.2
85°	35.7	51.0	60.2	59.1	58.1
87.5°	13.3	17.3	14.3	10.2	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)