

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: P302371

Luminaire Tested: **RX-WO-30L840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-30L840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

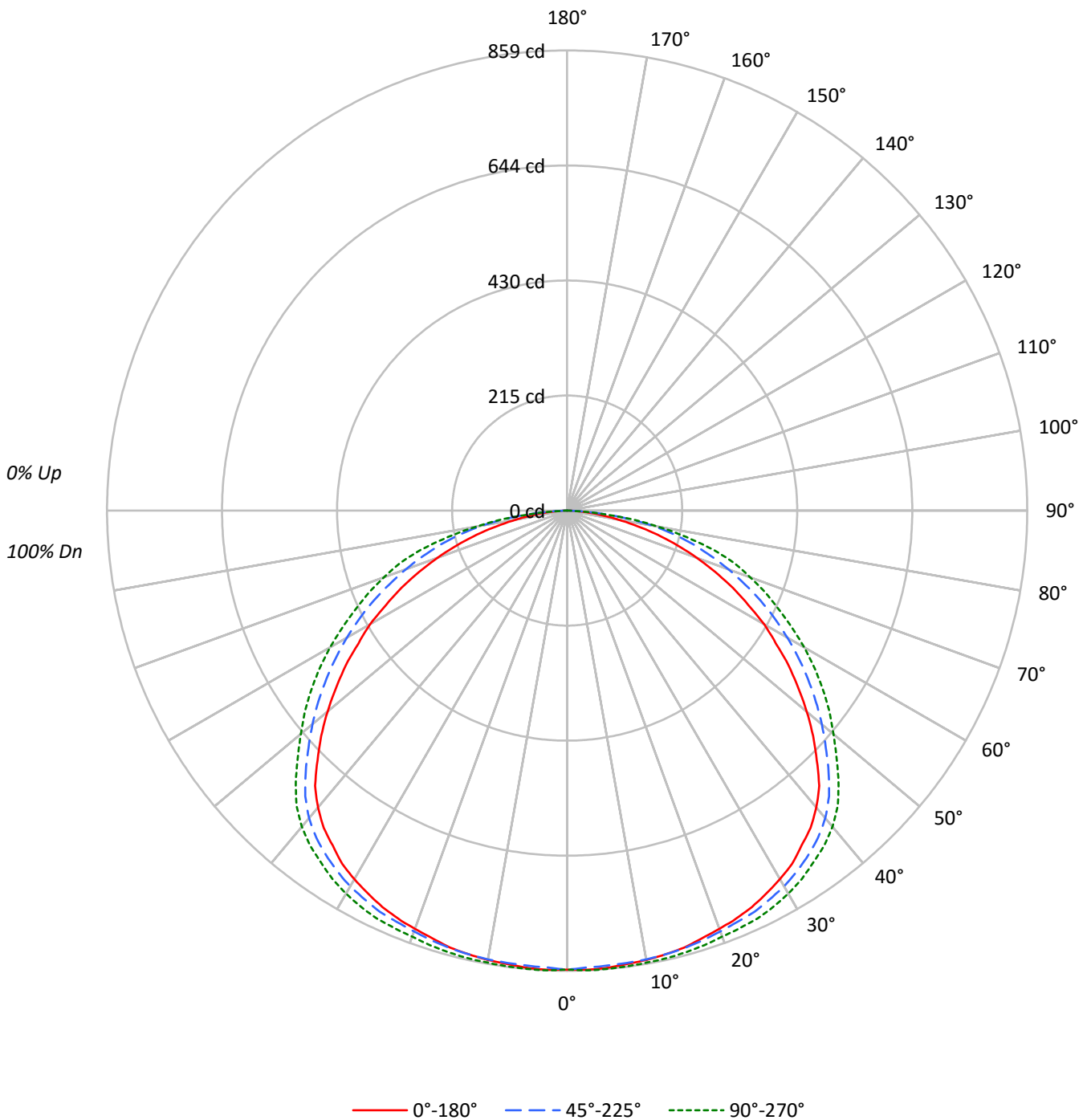
Lumens per Lamp: N/A
Luminaire Lumens: 2918.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.3
Input Voltage (V): 120
Input Current (A_{in}): 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	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1153	1153	1153
5°	1157	1152	1160
10°	1164	1162	1171
15°	1176	1178	1189
20°	1190	1197	1212
25°	1212	1227	1247
30°	1234	1259	1283
35°	1254	1290	1317
40°	1271	1317	1353
45°	1254	1314	1363
50°	1223	1299	1358
55°	1185	1287	1368
60°	1143	1278	1376
65°	1087	1270	1386
70°	1012	1262	1430
75°	909	1266	1467
80°	750	1251	1339
85°	546	932	868



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	2.8
10°-20°	239.9	8.2
20°-30°	382.2	13.1
30°-40°	491.3	16.8
40°-50°	531.3	18.2
50°-60°	488.7	16.7
60°-70°	389.6	13.4
70°-80°	247.5	8.5
80°-90°	65.9	2.3
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°	703.7	24.1
0°-40°	1195.0	41.0
0°-60°	2215.0	75.9
0°-90°	2918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	857	857	857	857	857	
5°	857	857	853	858	859	82
15°	844	846	846	853	854	239
25°	816	819	827	836	840	377
35°	763	772	785	800	802	478
45°	659	670	690	709	716	508
55°	505	520	549	574	583	451
65°	342	359	399	428	435	337
75°	175	200	244	276	282	185
85°	35	55	60	60	56	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	856.9	856.9	856.9	856.9	856.9
2.5°	858.0	858.0	853.8	859.0	859.0
5°	856.9	856.9	852.8	858.0	859.0
7.5°	853.8	854.8	851.7	856.9	858.0
10°	851.7	852.8	850.7	855.9	856.9
12.5°	848.6	849.6	848.6	854.8	855.9
15°	844.4	845.5	845.5	852.8	853.8
17.5°	837.1	839.2	841.3	849.6	850.7
20°	830.9	833.0	836.1	845.5	846.5
22.5°	824.6	826.7	830.9	842.3	843.4
25°	816.3	819.4	826.7	836.1	840.3
27.5°	805.9	812.1	818.4	829.8	834.0
30°	794.4	800.7	810.1	822.6	825.7
32.5°	781.9	788.2	798.6	812.1	815.3
35°	763.2	771.5	785.1	799.6	801.7
37.5°	746.5	754.9	769.5	785.1	788.2
40°	723.6	734.1	749.7	764.2	770.5
42.5°	696.6	707.0	723.6	741.3	747.6
45°	659.1	670.5	690.3	709.1	716.4
47.5°	622.6	633.1	654.9	676.8	682.0
50°	584.1	596.6	620.6	643.5	648.7
52.5°	543.5	559.1	585.2	609.1	617.4
55°	505.0	519.6	548.7	573.7	583.1
57.5°	462.3	480.0	512.3	539.3	547.7
60°	424.8	440.4	474.8	502.9	511.2
62.5°	381.1	399.8	437.3	465.4	472.7
65°	341.5	359.2	398.8	427.9	435.2
67.5°	298.8	319.7	359.2	389.4	400.9
70°	257.2	279.0	320.7	351.9	363.4
72.5°	215.5	239.5	281.1	313.4	328.0
75°	174.9	199.9	243.6	275.9	282.2
77.5°	134.3	162.4	204.1	227.0	227.0
80°	96.8	124.9	161.4	167.6	172.8
82.5°	64.6	90.6	110.4	116.6	117.7
85°	35.4	55.2	60.4	60.4	56.2
87.5°	13.5	17.7	12.5	6.2	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)