

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: P302175

Luminaire Tested: **RX-WO-24L840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-24L840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

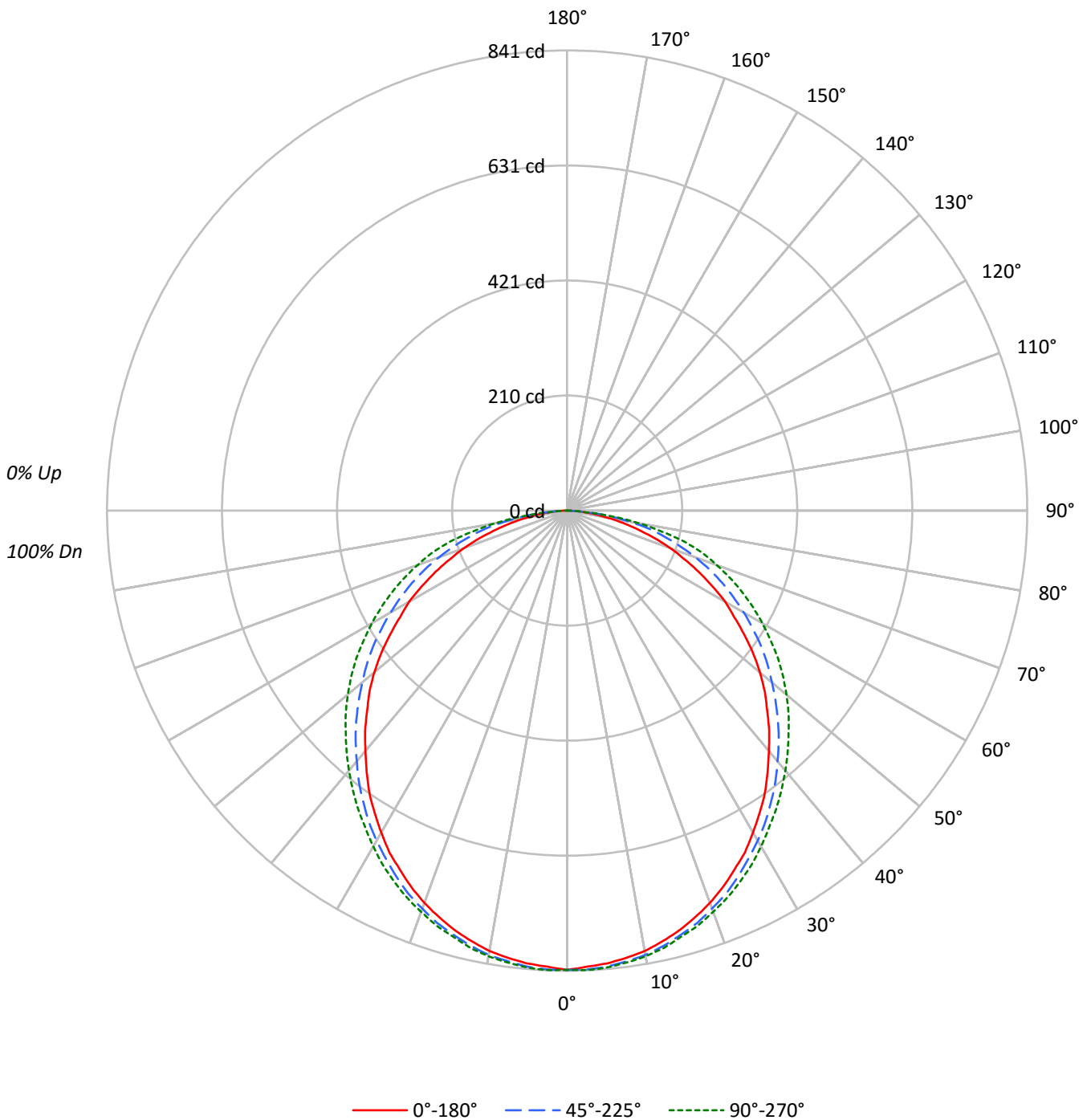
Lumens per Lamp: N/A
Luminaire Lumens: 2403.1 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2259	2259	2259
5°	2244	2261	2264
10°	2233	2253	2260
15°	2212	2236	2246
20°	2185	2217	2235
25°	2149	2193	2222
30°	2111	2165	2203
35°	2070	2135	2188
40°	2015	2101	2179
45°	1967	2075	2178
50°	1927	2045	2190
55°	1854	2032	2206
60°	1795	2007	2219
65°	1692	1990	2249
70°	1578	1956	2286
75°	1395	1919	2329
80°	1164	1793	2080
85°	874	1216	1102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	3.3
10°-20°	226.1	9.4
20°-30°	339.8	14.1
30°-40°	406.0	16.9
40°-50°	421.0	17.5
50°-60°	386.6	16.1
60°-70°	307.1	12.8
70°-80°	190.6	7.9
80°-90°	46.6	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°	645.3	26.9
0°-40°	1051.3	43.7
0°-60°	1858.9	77.4
0°-90°	2403.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2403.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	831	833	837	838	838	79
15°	794	796	802	806	806	224
25°	724	729	738	747	748	334
35°	630	636	650	662	666	393
45°	517	524	545	566	572	400
55°	395	405	433	460	470	354
65°	266	278	313	342	353	263
75°	134	151	185	213	224	143
85°	28	34	39	38	36	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	839.4	839.4	839.4	839.4	839.4
2.5°	834.5	835.7	839.4	841.9	840.6
5°	830.8	833.2	836.9	838.2	838.2
7.5°	824.6	827.1	830.8	833.2	833.2
10°	817.2	819.7	824.6	827.1	827.1
12.5°	806.2	808.6	814.8	817.2	818.5
15°	793.9	796.3	802.5	806.2	806.2
17.5°	779.1	782.8	790.2	793.9	795.1
20°	763.1	766.8	774.2	779.1	780.3
22.5°	744.6	748.3	758.2	764.3	765.5
25°	723.7	728.6	738.5	747.1	748.3
27.5°	704.0	707.7	717.5	726.2	729.9
30°	679.4	685.5	696.6	706.5	708.9
32.5°	654.8	662.2	674.5	685.5	686.8
35°	630.2	636.3	649.9	662.2	665.9
37.5°	601.9	608.0	625.2	638.8	643.7
40°	573.5	582.2	598.2	614.2	620.3
42.5°	546.5	555.1	572.3	590.8	596.9
45°	516.9	524.3	545.2	566.2	572.3
47.5°	489.9	496.0	516.9	541.5	548.9
50°	460.3	465.2	488.6	515.7	523.1
52.5°	428.3	435.7	461.5	488.6	497.2
55°	395.1	404.9	433.2	460.3	470.2
57.5°	361.8	372.9	402.5	432.0	440.6
60°	333.5	340.9	372.9	402.5	412.3
62.5°	299.1	310.2	342.2	372.9	382.8
65°	265.8	278.2	312.6	342.2	353.2
67.5°	231.4	246.2	281.8	310.2	322.5
70°	200.6	215.4	248.6	278.2	290.5
72.5°	167.4	183.4	216.6	247.4	260.9
75°	134.2	151.4	184.6	212.9	224.0
77.5°	104.6	121.8	152.6	172.3	177.2
80°	75.1	89.8	115.7	129.2	134.2
82.5°	50.5	61.5	78.8	83.7	86.2
85°	28.3	34.5	39.4	38.2	35.7
87.5°	12.3	9.8	8.6	3.7	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)