

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: P302163

Luminaire Tested: **RX-WO-24L830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302163
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-24L830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

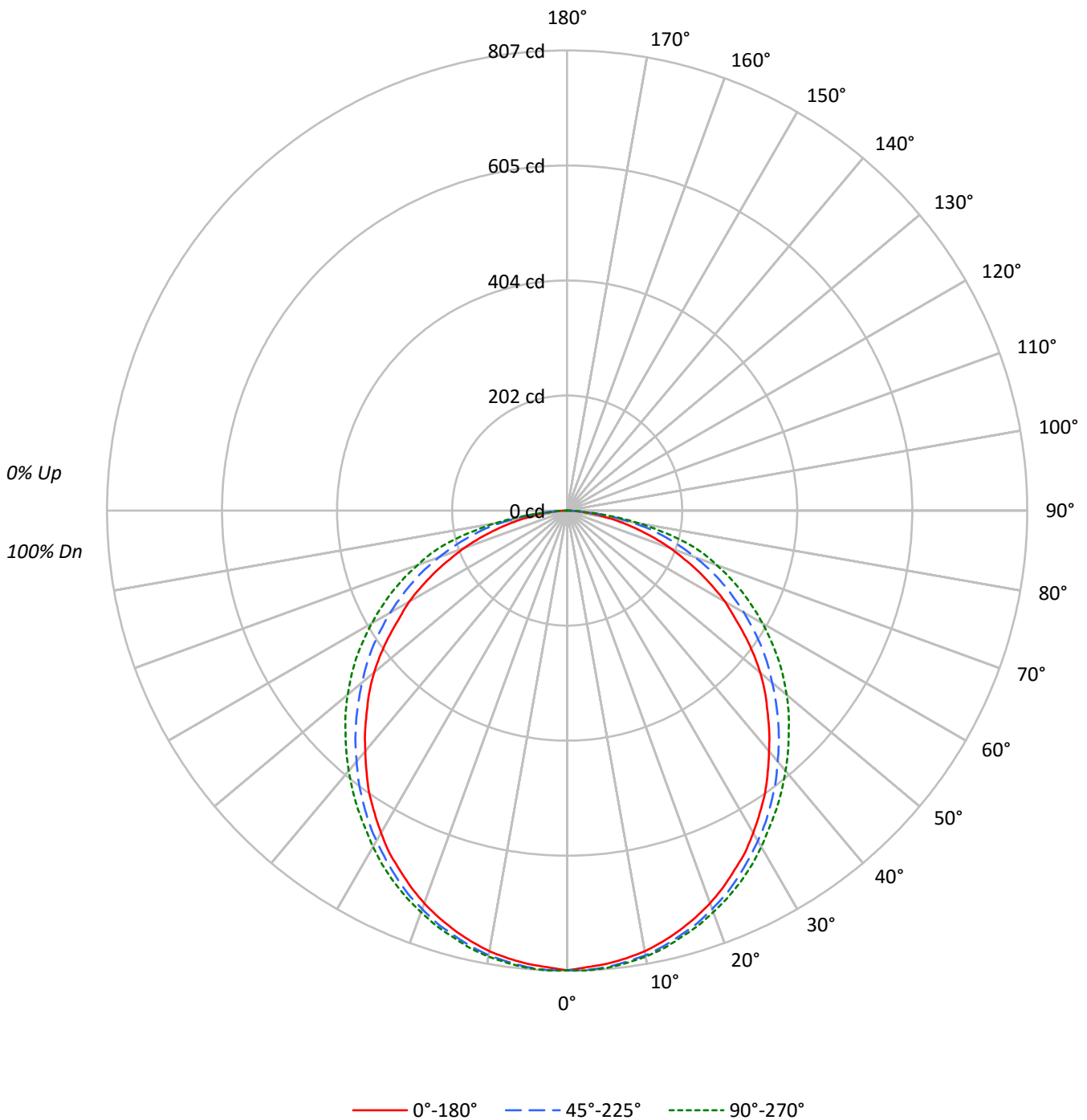
Lumens per Lamp: N/A
Luminaire Lumens: 2308.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2169	2169	2169
5°	2155	2171	2175
10°	2145	2164	2171
15°	2124	2147	2157
20°	2099	2129	2146
25°	2064	2106	2134
30°	2027	2079	2116
35°	1988	2050	2101
40°	1935	2018	2093
45°	1889	1993	2092
50°	1851	1965	2103
55°	1780	1952	2119
60°	1724	1928	2131
65°	1626	1911	2160
70°	1516	1879	2195
75°	1339	1843	2236
80°	1117	1722	1996
85°	840	1167	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	3.3
10°-20°	217.2	9.4
20°-30°	326.3	14.1
30°-40°	389.9	16.9
40°-50°	404.3	17.5
50°-60°	371.3	16.1
60°-70°	294.9	12.8
70°-80°	183.1	7.9
80°-90°	44.7	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°	619.7	26.9
0°-40°	1009.7	43.7
0°-60°	1785.3	77.4
0°-90°	2308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	798	800	804	805	805	76
15°	762	765	771	774	774	215
25°	695	700	709	718	719	321
35°	605	611	624	636	640	378
45°	496	504	524	544	550	384
55°	379	389	416	442	452	340
65°	255	267	300	329	339	253
75°	129	145	177	204	215	138
85°	27	33	38	37	34	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	806.2	806.2	806.2	806.2	806.2
2.5°	801.4	802.6	806.2	808.5	807.4
5°	797.9	800.3	803.8	805.0	805.0
7.5°	792.0	794.4	797.9	800.3	800.3
10°	784.9	787.3	792.0	794.4	794.4
12.5°	774.3	776.6	782.5	784.9	786.1
15°	762.4	764.8	770.7	774.3	774.3
17.5°	748.2	751.8	758.9	762.4	763.6
20°	732.9	736.4	743.5	748.2	749.4
22.5°	715.2	718.7	728.2	734.1	735.2
25°	695.1	699.8	709.2	717.5	718.7
27.5°	676.1	679.7	689.1	697.4	701.0
30°	652.5	658.4	669.1	678.5	680.9
32.5°	628.9	636.0	647.8	658.4	659.6
35°	605.2	611.1	624.1	636.0	639.5
37.5°	578.0	583.9	600.5	613.5	618.2
40°	550.8	559.1	574.5	589.9	595.8
42.5°	524.8	533.1	549.7	567.4	573.3
45°	496.5	503.6	523.7	543.8	549.7
47.5°	470.5	476.4	496.5	520.1	527.2
50°	442.1	446.8	469.3	495.3	502.4
52.5°	411.4	418.5	443.3	469.3	477.6
55°	379.4	388.9	416.1	442.1	451.6
57.5°	347.5	358.2	386.5	414.9	423.2
60°	320.3	327.4	358.2	386.5	396.0
62.5°	287.2	297.9	328.6	358.2	367.6
65°	255.3	267.1	300.2	328.6	339.3
67.5°	222.2	236.4	270.7	297.9	309.7
70°	192.7	206.9	238.8	267.1	279.0
72.5°	160.8	176.1	208.0	237.6	250.6
75°	128.8	145.4	177.3	204.5	215.1
77.5°	100.5	117.0	146.6	165.5	170.2
80°	72.1	86.3	111.1	124.1	128.8
82.5°	48.5	59.1	75.7	80.4	82.7
85°	27.2	33.1	37.8	36.6	34.3
87.5°	11.8	9.5	8.3	3.5	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)