

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: P302228

Luminaire Tested: **ZX-WO-24L940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-24L940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033.9 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

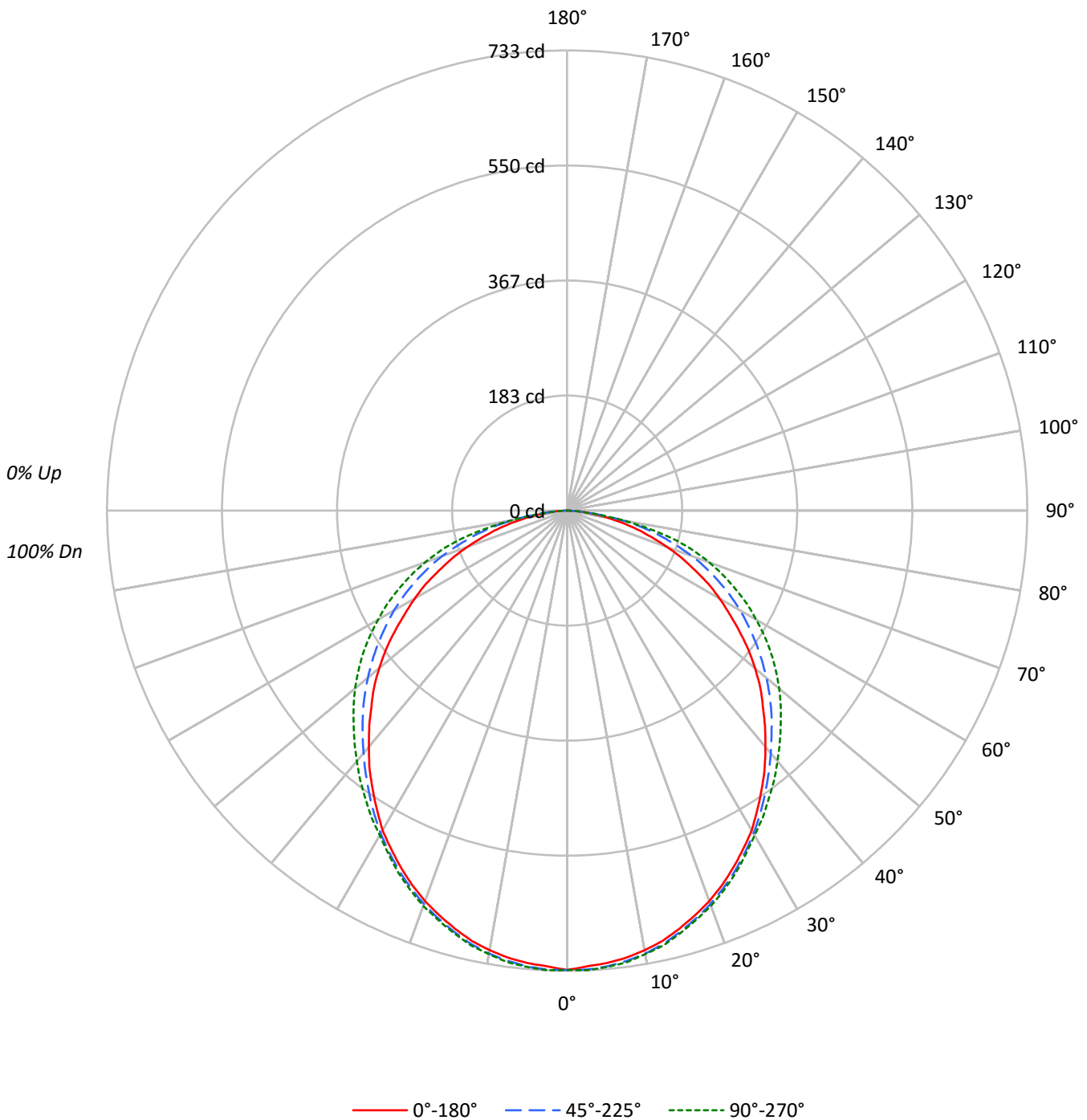
Input Watts (W): 19.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1969	1969	1969
5°	1954	1968	1971
10°	1943	1958	1960
15°	1921	1936	1941
20°	1895	1910	1919
25°	1861	1880	1889
30°	1827	1846	1855
35°	1776	1806	1840
40°	1726	1773	1831
45°	1678	1752	1831
50°	1635	1734	1846
55°	1572	1721	1861
60°	1510	1715	1870
65°	1427	1695	1885
70°	1334	1666	1892
75°	1197	1581	1827
80°	1003	1385	1401
85°	794	794	636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.4
10°-20°	195.7	9.6
20°-30°	291.2	14.3
30°-40°	344.5	16.9
40°-50°	356.0	17.5
50°-60°	327.3	16.1
60°-70°	260.3	12.8
70°-80°	155.9	7.7
80°-90°	34.0	1.7
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°	556.0	27.3
0°-40°	900.5	44.3
0°-60°	1583.8	77.9
0°-90°	2033.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2033.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	724	726	729	730	730	69
15°	690	692	695	697	697	194
25°	627	629	633	636	636	289
35°	541	544	550	557	560	338
45°	441	445	460	477	481	341
55°	335	342	367	390	397	300
65°	224	237	266	290	296	223
75°	115	130	152	170	176	122
85°	26	28	26	24	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.8	731.8	731.8	731.8	731.8
2.5°	726.6	728.7	731.8	732.8	732.8
5°	723.5	725.6	728.7	729.7	729.7
7.5°	718.4	720.5	723.5	724.6	725.6
10°	711.2	713.3	716.4	717.4	717.4
12.5°	702.0	703.0	707.1	708.1	709.2
15°	689.6	691.7	694.8	696.8	696.8
17.5°	676.3	678.3	681.4	683.5	683.5
20°	661.9	663.9	667.0	669.1	670.1
22.5°	645.4	647.5	650.6	653.7	653.7
25°	626.9	629.0	633.1	636.2	636.2
27.5°	607.4	609.5	613.6	616.7	616.7
30°	587.9	588.9	594.0	596.1	597.1
32.5°	564.2	567.3	572.5	576.6	579.7
35°	540.6	543.7	549.9	557.0	560.1
37.5°	517.0	520.0	527.2	537.5	541.6
40°	491.3	495.4	504.6	518.0	521.1
42.5°	466.6	471.7	482.0	497.4	501.5
45°	440.9	445.0	460.4	476.9	481.0
47.5°	417.3	420.4	437.8	456.3	461.5
50°	390.6	394.7	414.2	434.7	440.9
52.5°	363.8	369.0	390.6	412.1	419.3
55°	335.1	342.2	366.9	389.5	396.7
57.5°	306.3	316.6	342.2	364.9	373.1
60°	280.6	289.8	318.6	340.2	347.4
62.5°	253.9	264.1	292.9	314.5	323.7
65°	224.1	237.4	266.2	289.8	296.0
67.5°	197.3	210.7	239.5	261.1	269.3
70°	169.6	185.0	211.7	231.2	240.5
72.5°	140.8	157.2	180.9	201.4	210.7
75°	115.1	130.5	152.1	169.6	175.7
77.5°	89.4	103.8	121.3	131.6	133.6
80°	64.7	76.1	89.4	91.5	90.4
82.5°	43.2	51.4	55.5	53.4	53.4
85°	25.7	27.7	25.7	23.6	20.6
87.5°	9.2	8.2	6.2	4.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)