

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: P302182

Luminaire Tested: **RX-WO-29L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302182
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-29L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

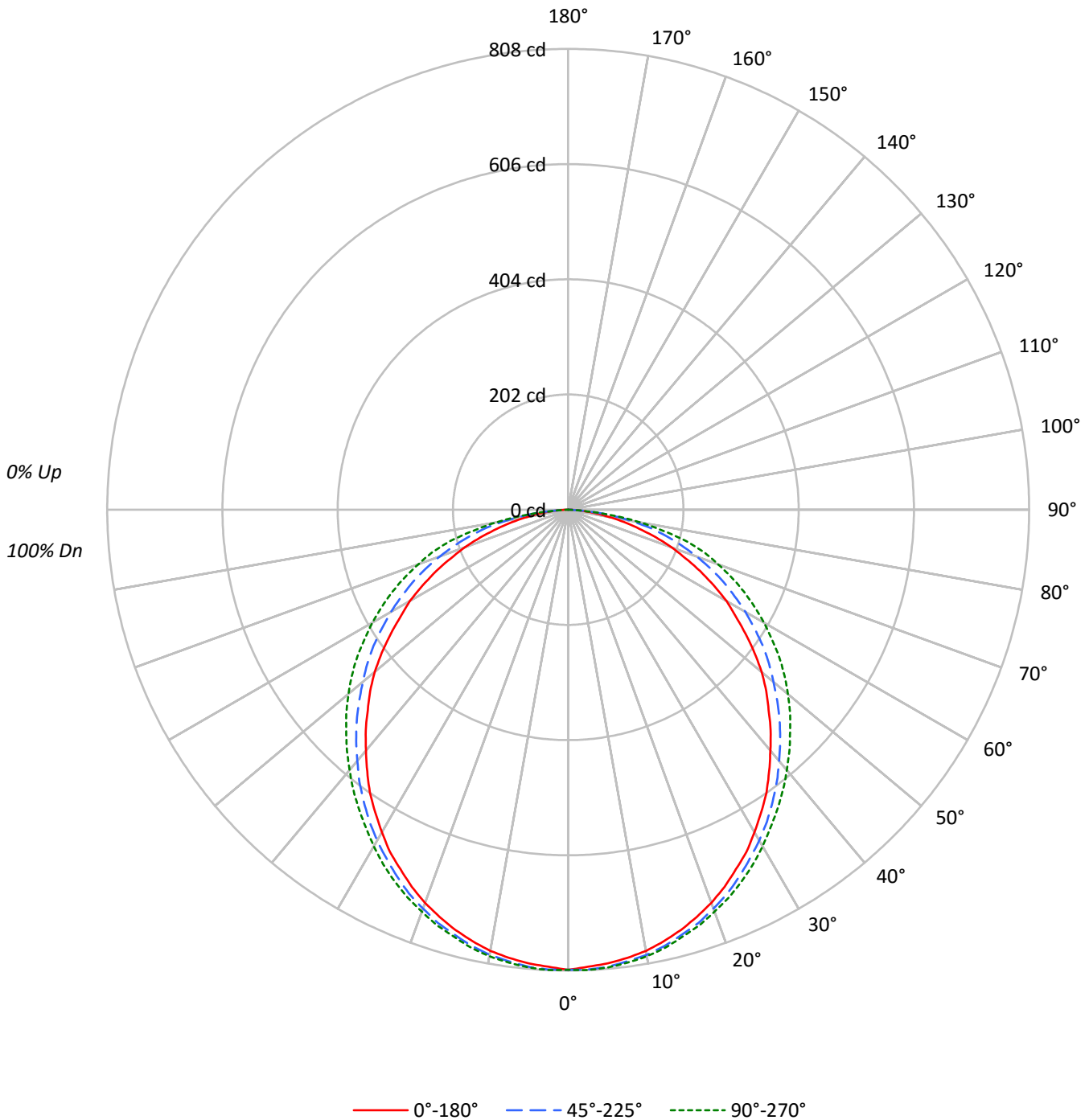
Lumens per Lamp: N/A
Luminaire Lumens: 2309.9 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 22.2
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°	2171	2171	2171
5°	2157	2173	2176
10°	2146	2166	2172
15°	2126	2149	2159
20°	2101	2131	2148
25°	2065	2108	2136
30°	2029	2081	2117
35°	1990	2052	2102
40°	1937	2020	2094
45°	1891	1995	2093
50°	1852	1966	2105
55°	1781	1954	2120
60°	1725	1929	2133
65°	1627	1913	2162
70°	1517	1880	2197
75°	1340	1845	2239
80°	1119	1723	1998
85°	840	1170	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.3
10°-20°	217.4	9.4
20°-30°	326.6	14.1
30°-40°	390.2	16.9
40°-50°	404.6	17.5
50°-60°	371.6	16.1
60°-70°	295.1	12.8
70°-80°	183.2	7.9
80°-90°	44.8	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°	620.2	26.9
0°-40°	1010.5	43.7
0°-60°	1786.7	77.4
0°-90°	2309.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2309.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	807	807	807	807	807	
5°	798	801	804	806	806	76
15°	763	765	771	775	775	215
25°	696	700	710	718	719	321
35°	606	612	625	636	640	378
45°	497	504	524	544	550	384
55°	380	389	416	442	452	340
65°	256	267	300	329	340	253
75°	129	146	178	205	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°	806.8	806.8	806.8	806.8	806.8
2.5°	802.1	803.3	806.8	809.2	808.0
5°	798.5	800.9	804.5	805.6	805.6
7.5°	792.6	795.0	798.5	800.9	800.9
10°	785.5	787.9	792.6	795.0	795.0
12.5°	774.9	777.2	783.2	785.5	786.7
15°	763.0	765.4	771.3	774.9	774.9
17.5°	748.8	752.4	759.5	763.0	764.2
20°	733.5	737.0	744.1	748.8	750.0
22.5°	715.7	719.3	728.7	734.7	735.8
25°	695.6	700.3	709.8	718.1	719.3
27.5°	676.7	680.2	689.7	698.0	701.5
30°	653.0	658.9	669.6	679.1	681.4
32.5°	629.4	636.5	648.3	658.9	660.1
35°	605.7	611.6	624.6	636.5	640.0
37.5°	578.5	584.4	601.0	614.0	618.7
40°	551.3	559.6	574.9	590.3	596.2
42.5°	525.3	533.5	550.1	567.8	573.8
45°	496.9	504.0	524.1	544.2	550.1
47.5°	470.8	476.8	496.9	520.5	527.6
50°	442.4	447.2	469.7	495.7	502.8
52.5°	411.7	418.8	443.6	469.7	477.9
55°	379.7	389.2	416.4	442.4	451.9
57.5°	347.8	358.5	386.8	415.2	423.5
60°	320.6	327.7	358.5	386.8	396.3
62.5°	287.5	298.1	328.9	358.5	367.9
65°	255.5	267.4	300.5	328.9	339.5
67.5°	222.4	236.6	270.9	298.1	310.0
70°	192.8	207.0	239.0	267.4	279.2
72.5°	160.9	176.3	208.2	237.8	250.8
75°	128.9	145.5	177.5	204.7	215.3
77.5°	100.6	117.1	146.7	165.6	170.4
80°	72.2	86.4	111.2	124.2	128.9
82.5°	48.5	59.2	75.7	80.4	82.8
85°	27.2	33.1	37.9	36.7	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)