

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: P302229

Luminaire Tested: **ZX-WO-29L940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302229
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-29L940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

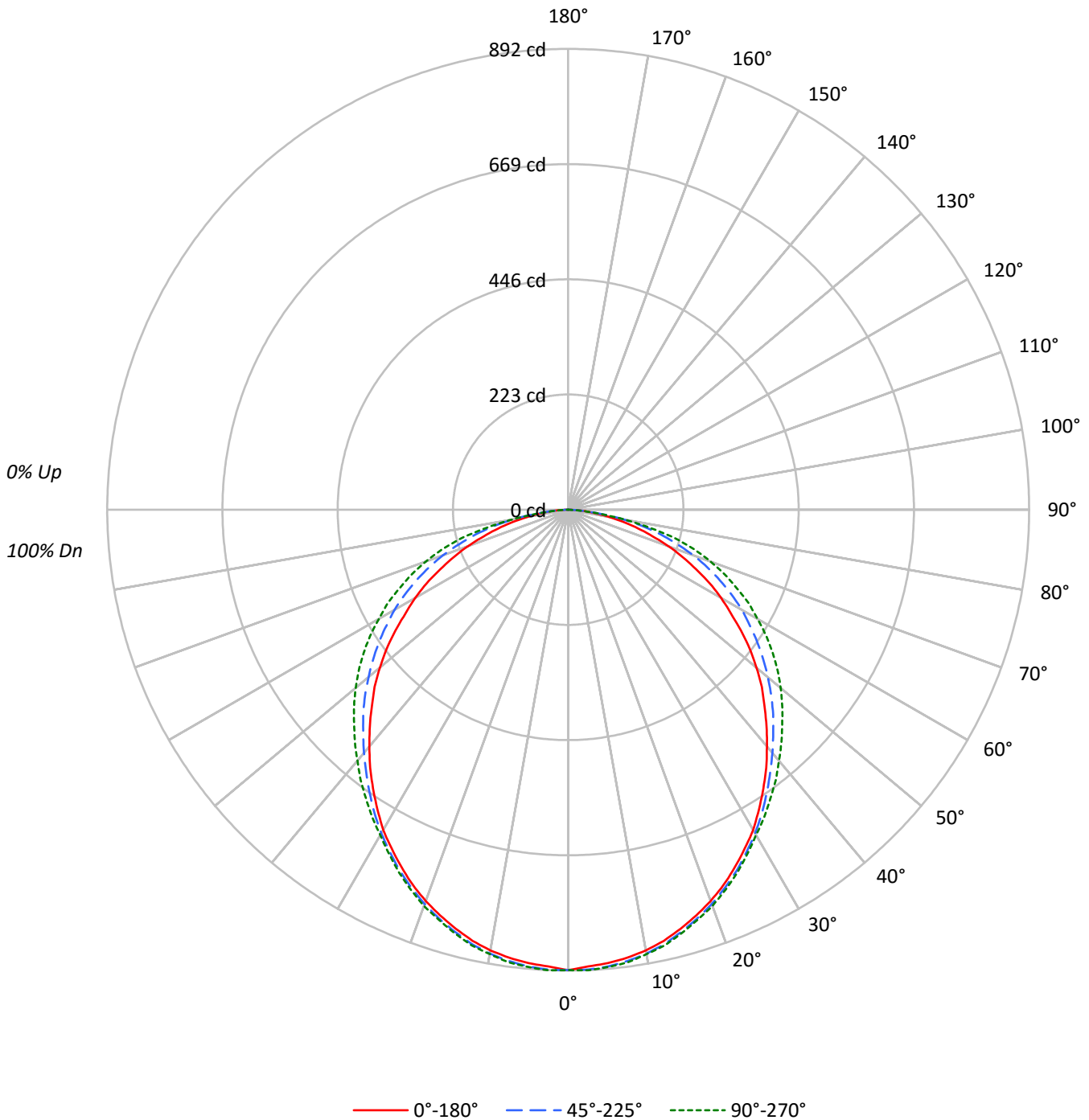
Lumens per Lamp: N/A
Luminaire Lumens: 2476.8 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2398	2398	2398
5°	2380	2397	2400
10°	2367	2384	2387
15°	2340	2357	2364
20°	2308	2326	2337
25°	2267	2289	2300
30°	2224	2248	2259
35°	2163	2200	2241
40°	2101	2159	2229
45°	2043	2134	2229
50°	1991	2112	2248
55°	1914	2096	2267
60°	1839	2088	2277
65°	1737	2064	2295
70°	1625	2028	2305
75°	1458	1926	2225
80°	1221	1688	1706
85°	966	966	772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	3.4
10°-20°	238.3	9.6
20°-30°	354.6	14.3
30°-40°	419.5	16.9
40°-50°	433.5	17.5
50°-60°	398.6	16.1
60°-70°	316.9	12.8
70°-80°	189.8	7.7
80°-90°	41.4	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°	677.1	27.3
0°-40°	1096.6	44.3
0°-60°	1928.6	77.9
0°-90°	2476.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2476.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	881	884	887	889	889	84
15°	840	842	846	849	849	237
25°	763	766	771	775	775	352
35°	658	662	670	678	682	412
45°	537	542	561	581	586	415
55°	408	417	447	474	483	365
65°	273	289	324	353	360	271
75°	140	159	185	206	214	148
85°	31	34	31	29	25	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	891.1	891.1	891.1	891.1	891.1
2.5°	884.8	887.3	891.1	892.4	892.4
5°	881.1	883.6	887.3	888.6	888.6
7.5°	874.8	877.3	881.1	882.3	883.6
10°	866.1	868.6	872.3	873.6	873.6
12.5°	854.8	856.1	861.1	862.3	863.6
15°	839.8	842.3	846.0	848.6	848.6
17.5°	823.5	826.0	829.8	832.3	832.3
20°	806.0	808.5	812.3	814.8	816.0
22.5°	786.0	788.5	792.2	796.0	796.0
25°	763.4	765.9	771.0	774.7	774.7
27.5°	739.7	742.2	747.2	750.9	750.9
30°	715.9	717.1	723.4	725.9	727.1
32.5°	687.1	690.9	697.1	702.1	705.9
35°	658.3	662.1	669.6	678.3	682.1
37.5°	629.5	633.3	642.0	654.6	659.6
40°	598.2	603.2	614.5	630.8	634.5
42.5°	568.2	574.5	587.0	605.7	610.8
45°	536.9	541.9	560.7	580.7	585.7
47.5°	508.1	511.9	533.2	555.7	561.9
50°	475.6	480.6	504.4	529.4	536.9
52.5°	443.0	449.3	475.6	501.9	510.6
55°	408.0	416.8	446.8	474.3	483.1
57.5°	373.0	385.5	416.8	444.3	454.3
60°	341.7	352.9	388.0	414.3	423.0
62.5°	309.1	321.6	356.7	383.0	394.2
65°	272.8	289.1	324.2	352.9	360.4
67.5°	240.3	256.6	291.6	317.9	327.9
70°	206.5	225.3	257.8	281.6	292.9
72.5°	171.5	191.5	220.3	245.3	256.6
75°	140.2	158.9	185.2	206.5	214.0
77.5°	108.9	126.4	147.7	160.2	162.7
80°	78.8	92.6	108.9	111.4	110.1
82.5°	52.6	62.6	67.6	65.1	65.1
85°	31.3	33.8	31.3	28.8	25.0
87.5°	11.3	10.0	7.5	5.0	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)