

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: P302197

Luminaire Tested: **RX-WO-44L940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302197
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-44L940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

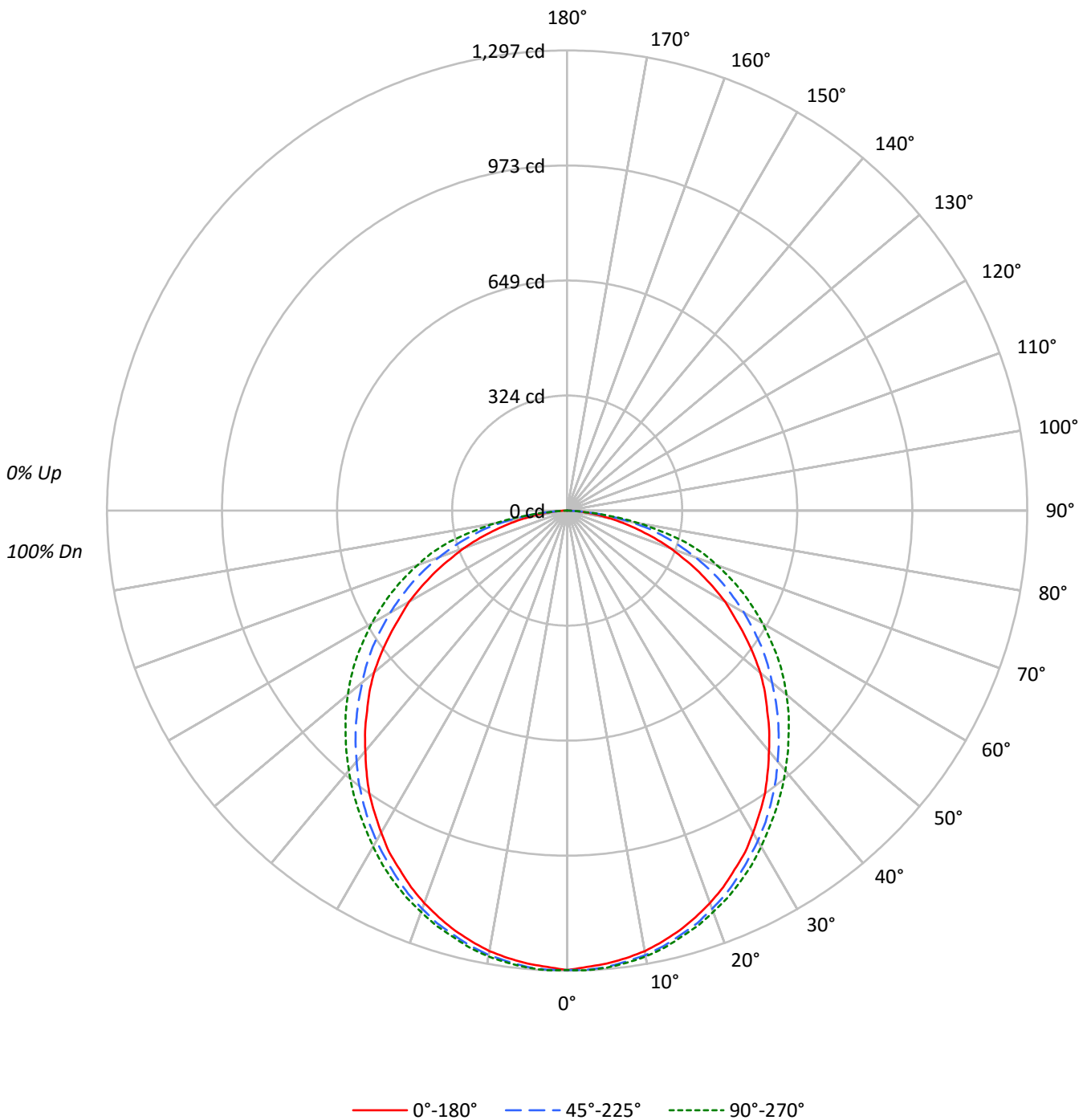
Lumens per Lamp: N/A
Luminaire Lumens: 3707.7 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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	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					100			
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69					69			
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3485	3485	3485
5°	3462	3488	3493
10°	3445	3477	3487
15°	3412	3449	3465
20°	3371	3420	3448
25°	3315	3383	3428
30°	3257	3340	3399
35°	3194	3294	3375
40°	3108	3242	3362
45°	3035	3201	3360
50°	2973	3156	3378
55°	2860	3136	3403
60°	2770	3097	3423
65°	2612	3071	3470
70°	2435	3018	3526
75°	2152	2961	3593
80°	1795	2766	3208
85°	1349	1877	1701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	3.3
10°-20°	348.9	9.4
20°-30°	524.2	14.1
30°-40°	626.4	16.9
40°-50°	649.5	17.5
50°-60°	596.5	16.1
60°-70°	473.7	12.8
70°-80°	294.1	7.9
80°-90°	71.9	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°	995.6	26.9
0°-40°	1621.9	43.7
0°-60°	2868.0	77.4
0°-90°	3707.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3707.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1295	1295	1295	1295	1295	
5°	1282	1286	1291	1293	1293	122
15°	1225	1229	1238	1244	1244	345
25°	1117	1124	1139	1153	1154	515
35°	972	982	1003	1022	1027	607
45°	798	809	841	874	883	617
55°	610	625	668	710	725	546
65°	410	429	482	528	545	406
75°	207	234	285	328	346	221
85°	44	53	61	59	55	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1295.1	1295.1	1295.1	1295.1	1295.1
2.5°	1287.5	1289.4	1295.1	1298.9	1297.0
5°	1281.8	1285.6	1291.3	1293.2	1293.2
7.5°	1272.3	1276.1	1281.8	1285.6	1285.6
10°	1260.9	1264.7	1272.3	1276.1	1276.1
12.5°	1243.8	1247.6	1257.1	1260.9	1262.8
15°	1224.8	1228.6	1238.1	1243.8	1243.8
17.5°	1202.0	1207.7	1219.1	1224.8	1226.7
20°	1177.3	1183.0	1194.4	1202.0	1203.9
22.5°	1148.9	1154.5	1169.7	1179.2	1181.1
25°	1116.6	1124.2	1139.4	1152.6	1154.5
27.5°	1086.2	1091.9	1107.1	1120.4	1126.1
30°	1048.2	1057.7	1074.8	1090.0	1093.8
32.5°	1010.2	1021.6	1040.6	1057.7	1059.6
35°	972.3	981.7	1002.6	1021.6	1027.3
37.5°	928.6	938.1	964.7	985.5	993.1
40°	884.9	898.2	922.9	947.6	957.1
42.5°	843.1	856.4	883.0	911.5	921.0
45°	797.6	808.9	841.2	873.5	883.0
47.5°	755.8	765.3	797.6	835.5	846.9
50°	710.2	717.8	753.9	795.7	807.0
52.5°	660.8	672.2	712.1	753.9	767.2
55°	609.6	624.7	668.4	710.2	725.4
57.5°	558.3	575.4	620.9	666.5	679.8
60°	514.6	526.0	575.4	620.9	636.1
62.5°	461.4	478.5	527.9	575.4	590.6
65°	410.2	429.2	482.3	527.9	545.0
67.5°	357.0	379.8	434.9	478.5	497.5
70°	309.5	332.3	383.6	429.2	448.1
72.5°	258.3	282.9	334.2	381.7	402.6
75°	207.0	233.6	284.8	328.5	345.6
77.5°	161.4	188.0	235.5	265.9	273.4
80°	115.8	138.6	178.5	199.4	207.0
82.5°	77.9	94.9	121.5	129.1	132.9
85°	43.7	53.2	60.8	58.9	55.1
87.5°	19.0	15.2	13.3	5.7	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)