

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: P302126

Luminaire Tested: **RX-WO-44H940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44H940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

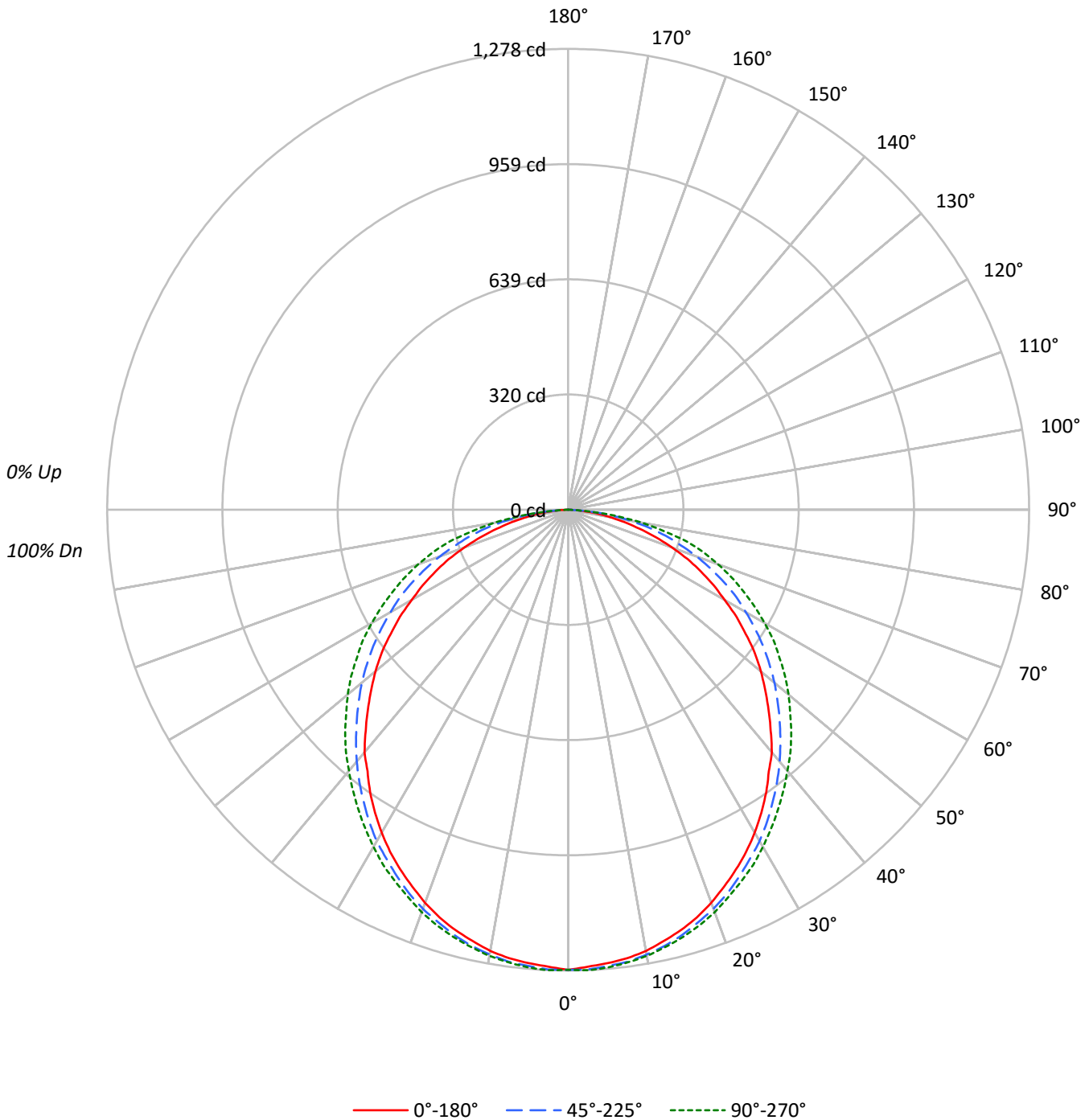
Lumens per Lamp: N/A
Luminaire Lumens: 3658.2 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.2
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	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	45	57	50	45	55	49	44	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	52	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°	3434	3434	3434
5°	3410	3431	3442
10°	3396	3423	3433
15°	3363	3402	3418
20°	3322	3373	3401
25°	3269	3333	3374
30°	3213	3298	3354
35°	3144	3248	3332
40°	3086	3203	3321
45°	2990	3155	3328
50°	2919	3125	3339
55°	2818	3096	3354
60°	2692	3063	3381
65°	2583	3035	3411
70°	2402	2975	3471
75°	2129	2908	3542
80°	1801	2717	3205
85°	1278	1886	1825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.3
10°-20°	343.8	9.4
20°-30°	516.6	14.1
30°-40°	618.1	16.9
40°-50°	640.9	17.5
50°-60°	589.5	16.1
60°-70°	467.8	12.8
70°-80°	289.0	7.9
80°-90°	71.8	2.0
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°	981.1	26.8
0°-40°	1599.2	43.7
0°-60°	2829.6	77.3
0°-90°	3658.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3658.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1276	1276	1276	1276	1276	
5°	1262	1266	1270	1274	1274	120
15°	1207	1211	1221	1227	1227	340
25°	1101	1109	1123	1134	1136	507
35°	957	967	989	1008	1014	599
45°	786	800	829	863	874	607
55°	601	616	660	705	715	538
65°	406	423	477	522	536	401
75°	205	232	280	323	341	219
85°	41	53	61	61	59	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1276.2	1276.2	1276.2	1276.2	1276.2
2.5°	1268.3	1270.3	1276.2	1278.2	1278.2
5°	1262.4	1266.3	1270.3	1274.2	1274.2
7.5°	1254.5	1258.5	1264.4	1266.3	1266.3
10°	1242.7	1246.7	1252.6	1256.5	1256.5
12.5°	1225.0	1230.9	1238.8	1242.7	1242.7
15°	1207.3	1211.2	1221.1	1227.0	1227.0
17.5°	1185.6	1189.5	1199.4	1207.3	1209.2
20°	1160.0	1163.9	1177.7	1185.6	1187.6
22.5°	1130.5	1136.4	1152.1	1160.0	1162.0
25°	1100.9	1108.8	1122.6	1134.4	1136.4
27.5°	1069.4	1077.3	1091.1	1106.8	1110.8
30°	1034.0	1041.8	1061.5	1075.3	1079.3
32.5°	996.5	1006.4	1026.1	1043.8	1047.7
35°	957.1	967.0	988.7	1008.4	1014.3
37.5°	913.8	927.6	951.2	972.9	980.8
40°	878.4	886.2	911.9	937.5	945.3
42.5°	831.1	842.9	870.5	900.0	911.9
45°	785.8	799.6	829.1	862.6	874.4
47.5°	740.5	754.3	787.8	823.2	835.0
50°	697.2	709.0	746.4	785.8	797.6
52.5°	651.9	663.7	703.1	746.4	758.2
55°	600.7	616.4	659.8	705.1	714.9
57.5°	553.4	569.2	614.5	657.8	675.5
60°	500.2	519.9	569.2	612.5	628.3
62.5°	454.9	470.7	525.8	569.2	583.0
65°	405.7	423.4	476.6	521.9	535.7
67.5°	358.4	376.2	427.4	472.7	490.4
70°	305.3	325.0	378.1	423.4	441.2
72.5°	256.0	279.7	326.9	374.2	393.9
75°	204.8	232.4	279.7	323.0	340.7
77.5°	159.5	183.2	228.5	258.0	267.8
80°	116.2	139.8	175.3	195.0	206.8
82.5°	78.8	92.6	120.1	133.9	133.9
85°	41.4	53.2	61.1	61.1	59.1
87.5°	13.8	15.8	11.8	5.9	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)