

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: P302138

Luminaire Tested: **ZX-WO-44H835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302138
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: ZX-WO-44H835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

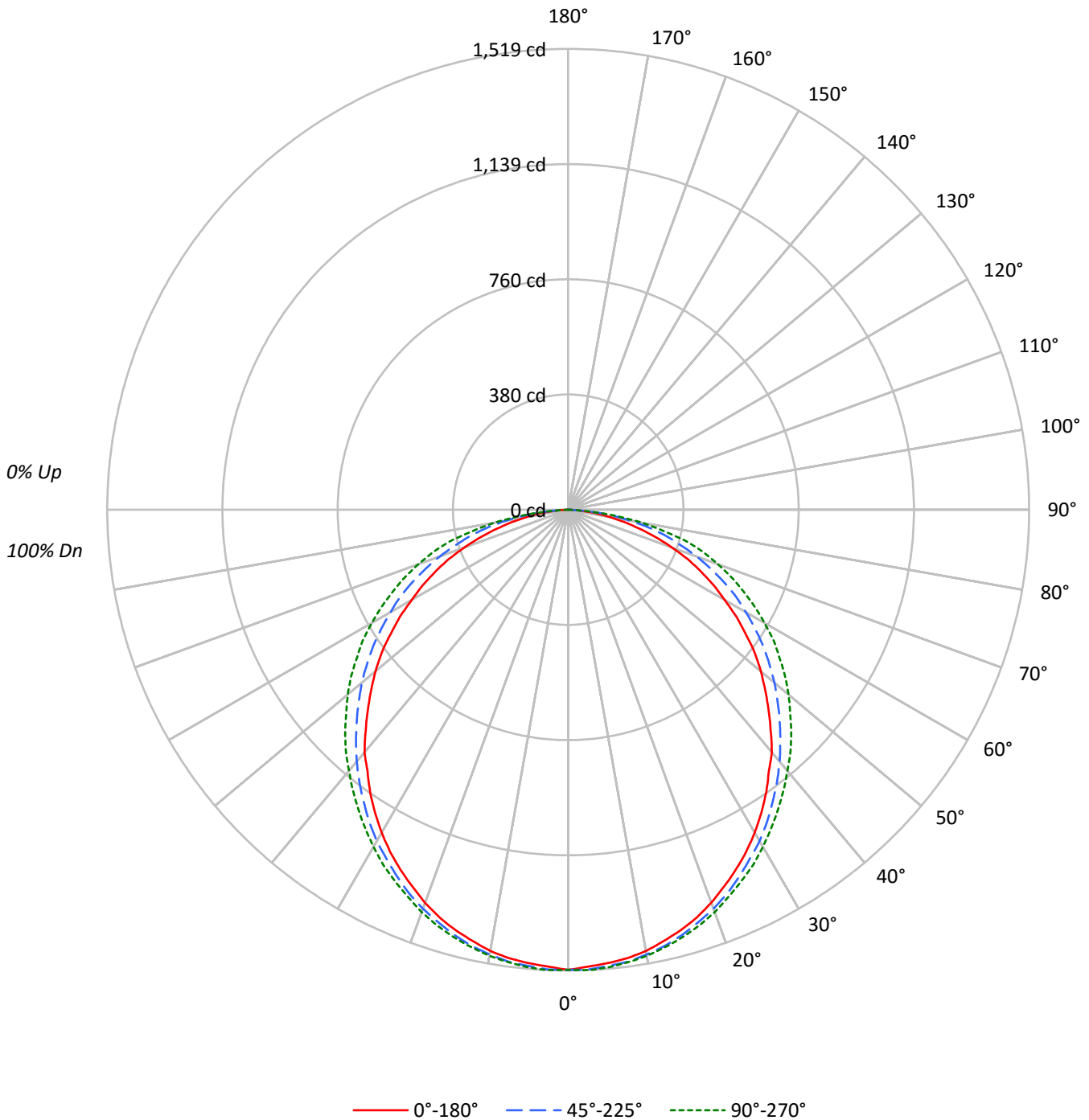
Lumens per Lamp: N/A
Luminaire Lumens: 4347.7 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4082	4082	4082
5°	4053	4078	4091
10°	4036	4068	4080
15°	3997	4043	4062
20°	3948	4008	4042
25°	3885	3961	4010
30°	3818	3920	3986
35°	3737	3860	3960
40°	3667	3807	3947
45°	3554	3750	3955
50°	3469	3714	3969
55°	3349	3679	3986
60°	3200	3641	4019
65°	3070	3606	4054
70°	2854	3536	4125
75°	2531	3456	4210
80°	2140	3228	3809
85°	1519	2242	2167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	3.3
10°-20°	408.6	9.4
20°-30°	614.0	14.1
30°-40°	734.6	16.9
40°-50°	761.7	17.5
50°-60°	700.6	16.1
60°-70°	556.0	12.8
70°-80°	343.4	7.9
80°-90°	85.3	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°	1166.0	26.8
0°-40°	1900.6	43.7
0°-60°	3362.9	77.3
0°-90°	4347.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4347.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1517	1517	1517	1517	1517	
5°	1500	1505	1510	1514	1514	143
15°	1435	1440	1451	1458	1458	405
25°	1308	1318	1334	1348	1351	603
35°	1138	1149	1175	1198	1205	711
45°	934	950	985	1025	1039	721
55°	714	733	784	838	850	639
65°	482	503	566	620	637	477
75°	243	276	332	384	405	260
85°	49	63	73	73	70	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1516.8	1516.8	1516.8	1516.8	1516.8
2.5°	1507.4	1509.7	1516.8	1519.1	1519.1
5°	1500.4	1505.0	1509.7	1514.4	1514.4
7.5°	1491.0	1495.7	1502.7	1505.0	1505.0
10°	1477.0	1481.6	1488.7	1493.3	1493.3
12.5°	1455.9	1462.9	1472.3	1477.0	1477.0
15°	1434.8	1439.5	1451.2	1458.2	1458.2
17.5°	1409.1	1413.8	1425.5	1434.8	1437.2
20°	1378.7	1383.3	1399.7	1409.1	1411.4
22.5°	1343.5	1350.6	1369.3	1378.7	1381.0
25°	1308.4	1317.8	1334.2	1348.2	1350.6
27.5°	1271.0	1280.3	1296.7	1315.5	1320.1
30°	1228.8	1238.2	1261.6	1278.0	1282.7
32.5°	1184.4	1196.1	1219.5	1240.6	1245.2
35°	1137.6	1149.3	1175.0	1198.4	1205.4
37.5°	1086.1	1102.5	1130.5	1156.3	1165.7
40°	1043.9	1053.3	1083.7	1114.2	1123.5
42.5°	987.8	1001.8	1034.6	1069.7	1083.7
45°	933.9	950.3	985.4	1025.2	1039.3
47.5°	880.1	896.5	936.3	978.4	992.4
50°	828.6	842.6	887.1	933.9	948.0
52.5°	774.8	788.8	835.6	887.1	901.2
55°	713.9	732.6	784.1	838.0	849.7
57.5°	657.7	676.5	730.3	781.8	802.8
60°	594.5	617.9	676.5	727.9	746.7
62.5°	540.7	559.4	625.0	676.5	692.8
65°	482.2	503.2	566.4	620.3	636.7
67.5°	426.0	447.1	507.9	561.8	582.8
70°	362.8	386.2	449.4	503.2	524.3
72.5°	304.3	332.4	388.6	444.7	468.1
75°	243.4	276.2	332.4	383.9	404.9
77.5°	189.6	217.7	271.5	306.6	318.3
80°	138.1	166.2	208.3	231.7	245.8
82.5°	93.6	110.0	142.8	159.2	159.2
85°	49.2	63.2	72.6	72.6	70.2
87.5°	16.4	18.7	14.0	7.0	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)