

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: P302311

Luminaire Tested: **ZX-WO-75H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-75H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

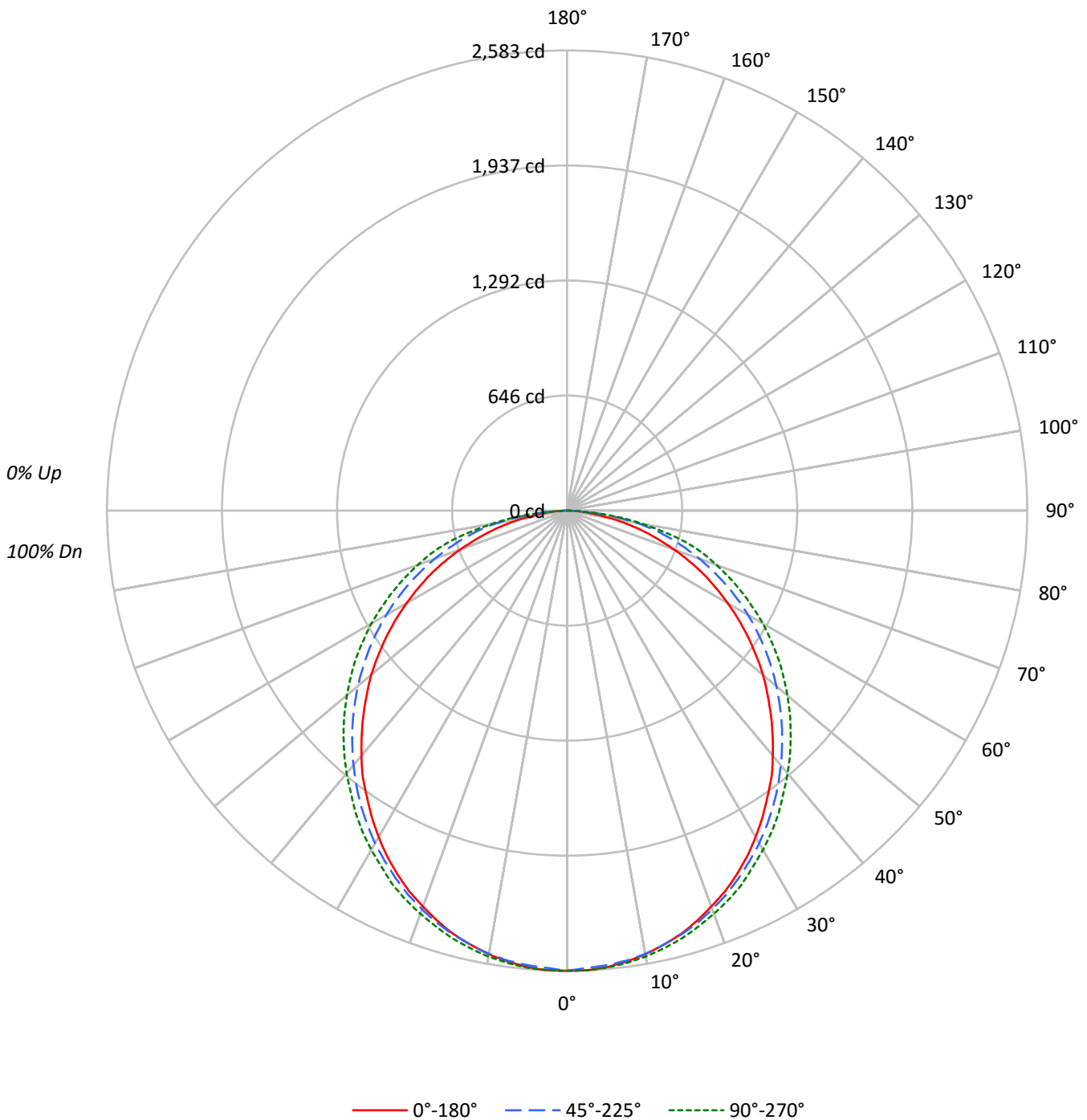
Lumens per Lamp: N/A
Luminaire Lumens: 7518.1 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.6
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3475	3475	3475
5°	3474	3460	3478
10°	3456	3452	3474
15°	3430	3433	3463
20°	3387	3410	3448
25°	3344	3380	3440
30°	3287	3350	3416
35°	3219	3316	3400
40°	3155	3277	3381
45°	3076	3244	3377
50°	3007	3209	3378
55°	2910	3181	3395
60°	2803	3157	3418
65°	2692	3129	3445
70°	2514	3105	3507
75°	2289	3112	3615
80°	1893	3079	3329
85°	1451	2445	2362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.2	3.2
10°-20°	697.3	9.3
20°-30°	1051.9	14.0
30°-40°	1262.9	16.8
40°-50°	1313.4	17.5
50°-60°	1207.9	16.1
60°-70°	962.7	12.8
70°-80°	610.0	8.1
80°-90°	167.8	2.2
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°	1993.4	26.5
0°-40°	3256.3	43.3
0°-60°	5777.6	76.8
0°-90°	7518.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7518.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2583	2583	2583	2583	2583	
5°	2572	2572	2561	2575	2575	244
15°	2462	2462	2465	2484	2486	694
25°	2253	2263	2277	2309	2317	1038
35°	1960	1982	2019	2057	2070	1228
45°	1616	1651	1705	1759	1775	1248
55°	1240	1281	1356	1423	1447	1109
65°	846	889	983	1058	1082	834
75°	440	497	599	674	695	463
85°	94	134	158	156	153	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2582.9	2582.9	2582.9	2582.9	2582.9
2.5°	2582.9	2582.9	2569.5	2582.9	2582.9
5°	2572.1	2572.1	2561.4	2574.8	2574.8
7.5°	2553.3	2556.0	2548.0	2561.4	2561.4
10°	2529.2	2531.9	2526.5	2542.6	2542.6
12.5°	2497.0	2499.6	2497.0	2515.8	2515.8
15°	2462.1	2462.1	2464.7	2483.5	2486.2
17.5°	2416.4	2421.8	2427.2	2448.6	2448.6
20°	2365.4	2373.5	2381.5	2408.4	2408.4
22.5°	2314.4	2322.4	2333.2	2360.0	2365.4
25°	2252.6	2263.4	2276.8	2309.0	2317.1
27.5°	2188.2	2196.3	2217.7	2252.6	2255.3
30°	2115.7	2129.1	2156.0	2190.9	2198.9
32.5°	2040.5	2059.3	2088.9	2129.1	2137.2
35°	1960.0	1981.5	2019.0	2056.6	2070.1
37.5°	1884.8	1900.9	1943.9	1986.8	1994.9
40°	1796.2	1820.4	1866.0	1914.3	1925.1
42.5°	1707.6	1734.4	1785.5	1833.8	1852.6
45°	1616.3	1651.2	1704.9	1758.6	1774.7
47.5°	1525.0	1562.6	1619.0	1678.1	1696.9
50°	1436.4	1471.3	1533.1	1594.8	1613.6
52.5°	1337.1	1377.4	1444.5	1511.6	1530.4
55°	1240.4	1280.7	1355.9	1423.0	1447.2
57.5°	1141.1	1186.7	1264.6	1334.4	1355.9
60°	1041.7	1090.1	1173.3	1243.1	1270.0
62.5°	942.4	988.0	1079.3	1149.1	1173.3
65°	845.7	888.7	982.7	1057.9	1082.0
67.5°	741.0	789.4	886.0	963.9	985.4
70°	639.0	687.3	789.4	869.9	891.4
72.5°	534.3	590.7	692.7	770.6	800.1
75°	440.3	496.7	598.7	673.9	695.4
77.5°	341.0	397.4	502.1	555.8	558.5
80°	244.3	308.8	397.4	418.8	429.6
82.5°	161.1	222.8	273.9	300.7	300.7
85°	94.0	134.2	158.4	155.7	153.0
87.5°	34.9	45.6	37.6	26.8	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)