

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: P302308

Luminaire Tested: **ZX-WO-60H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302308
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-60H835-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

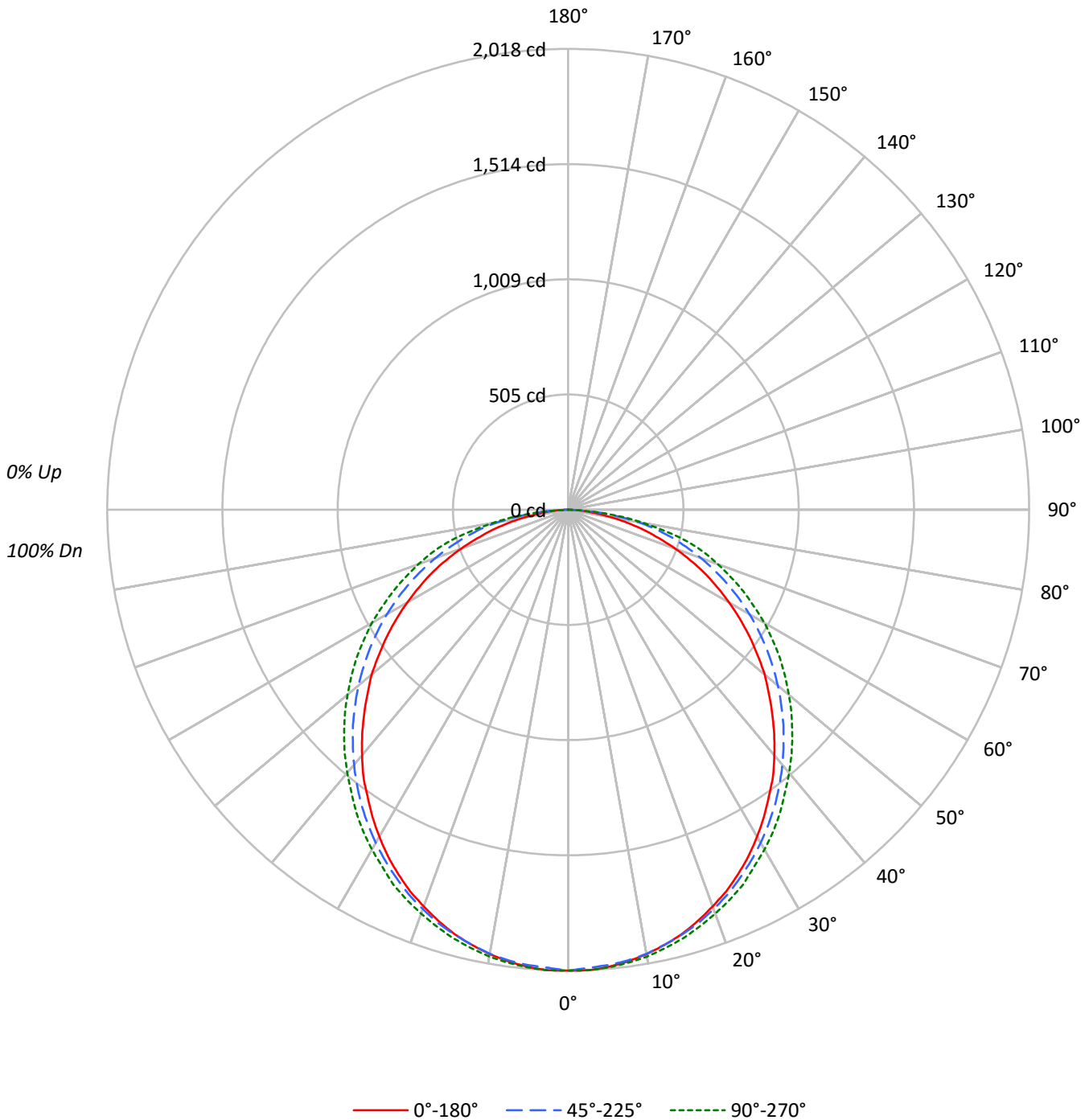
Lumens per Lamp: N/A
Luminaire Lumens: 5875.4 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	67	55	46	40	53	45	39	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2716	2716	2716
5°	2715	2704	2718
10°	2700	2698	2715
15°	2680	2683	2707
20°	2647	2665	2695
25°	2613	2642	2688
30°	2569	2618	2670
35°	2516	2592	2657
40°	2465	2561	2642
45°	2403	2535	2639
50°	2350	2508	2640
55°	2274	2486	2653
60°	2191	2467	2671
65°	2104	2445	2692
70°	1965	2427	2740
75°	1789	2432	2825
80°	1479	2406	2601
85°	1133	1911	1846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	3.2
10°-20°	544.9	9.3
20°-30°	822.1	14.0
30°-40°	986.9	16.8
40°-50°	1026.4	17.5
50°-60°	944.0	16.1
60°-70°	752.3	12.8
70°-80°	476.7	8.1
80°-90°	131.1	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°	1557.9	26.5
0°-40°	2544.8	43.3
0°-60°	4515.2	76.8
0°-90°	5875.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5875.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2018	2018	2018	2018	2018	
5°	2010	2010	2002	2012	2012	191
15°	1924	1924	1926	1941	1943	542
25°	1760	1769	1779	1804	1811	811
35°	1532	1548	1578	1607	1618	959
45°	1263	1290	1332	1374	1387	975
55°	969	1001	1060	1112	1131	866
65°	661	694	768	827	846	651
75°	344	388	468	527	543	362
85°	73	105	124	122	120	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2018.5	2018.5	2018.5	2018.5	2018.5
2.5°	2018.5	2018.5	2008.0	2018.5	2018.5
5°	2010.1	2010.1	2001.7	2012.2	2012.2
7.5°	1995.4	1997.5	1991.2	2001.7	2001.7
10°	1976.5	1978.6	1974.4	1987.0	1987.0
12.5°	1951.4	1953.5	1951.4	1966.1	1966.1
15°	1924.1	1924.1	1926.2	1940.9	1943.0
17.5°	1888.4	1892.6	1896.8	1913.6	1913.6
20°	1848.6	1854.8	1861.1	1882.1	1882.1
22.5°	1808.7	1815.0	1823.4	1844.4	1848.6
25°	1760.4	1768.8	1779.3	1804.5	1810.8
27.5°	1710.1	1716.4	1733.2	1760.4	1762.5
30°	1653.4	1663.9	1684.9	1712.2	1718.5
32.5°	1594.7	1609.4	1632.4	1663.9	1670.2
35°	1531.7	1548.5	1577.9	1607.3	1617.7
37.5°	1473.0	1485.6	1519.1	1552.7	1559.0
40°	1403.7	1422.6	1458.3	1496.0	1504.4
42.5°	1334.5	1355.5	1395.3	1433.1	1447.8
45°	1263.1	1290.4	1332.4	1374.4	1386.9
47.5°	1191.8	1221.2	1265.2	1311.4	1326.1
50°	1122.6	1149.8	1198.1	1246.4	1261.0
52.5°	1044.9	1076.4	1128.9	1181.3	1196.0
55°	969.4	1000.9	1059.6	1112.1	1131.0
57.5°	891.8	927.4	988.3	1042.8	1059.6
60°	814.1	851.9	916.9	971.5	992.5
62.5°	736.5	772.2	843.5	898.0	916.9
65°	660.9	694.5	768.0	826.7	845.6
67.5°	579.1	616.9	692.4	753.3	770.1
70°	499.4	537.2	616.9	679.8	696.6
72.5°	417.6	461.6	541.3	602.2	625.3
75°	344.1	388.2	467.9	526.7	543.4
77.5°	266.5	310.5	392.4	434.3	436.4
80°	190.9	241.3	310.5	327.3	335.7
82.5°	125.9	174.2	214.0	235.0	235.0
85°	73.4	104.9	123.8	121.7	119.6
87.5°	27.3	35.7	29.4	21.0	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)