

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: P302429

Luminaire Tested: **ZX-WO-75L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-75L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7254.5 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

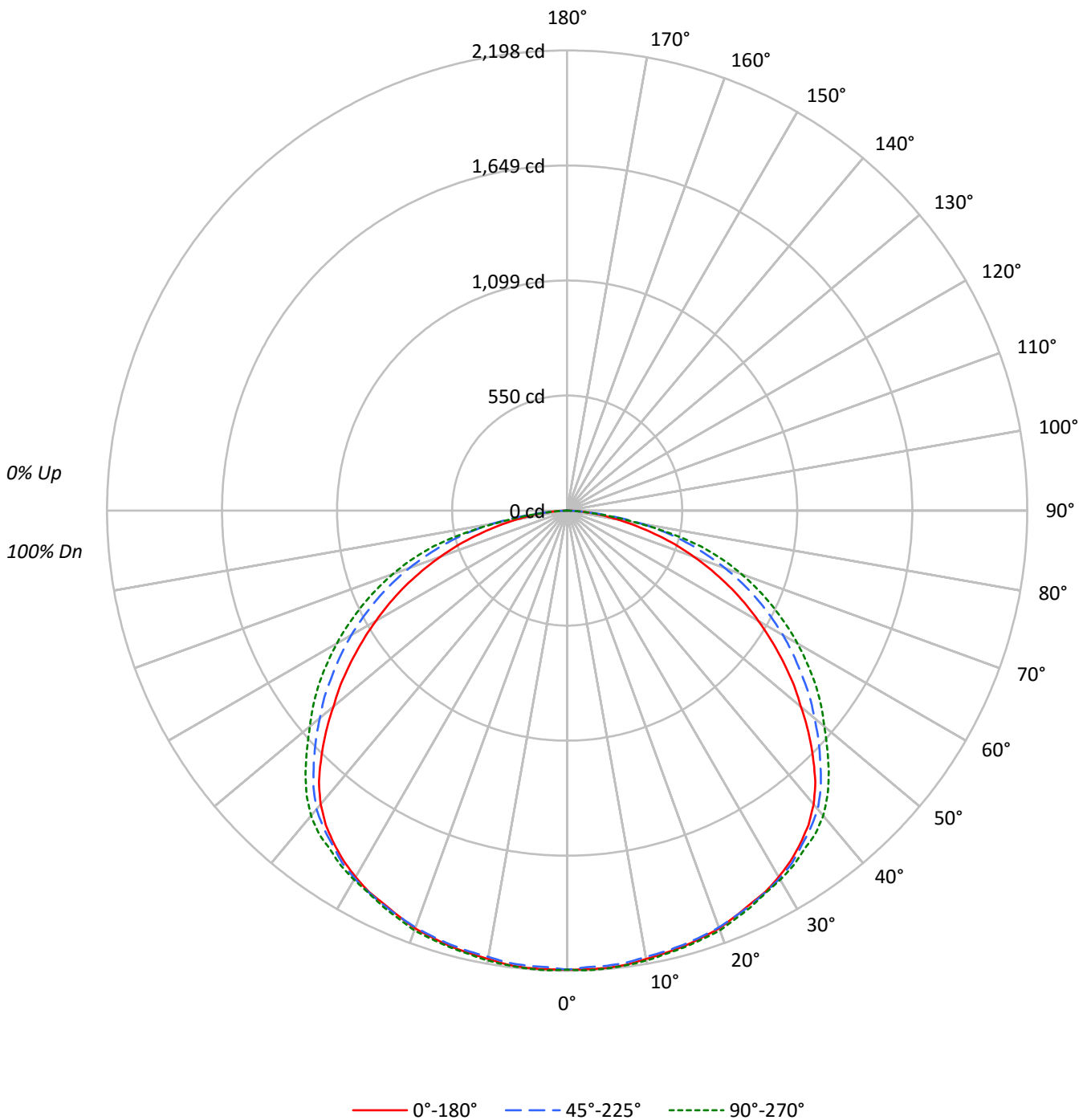
Input Watts (W): 55.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68					68			
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57					57			
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36					36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25					25			
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2951	2951	2951
5°	2962	2948	2965
10°	2971	2958	2982
15°	3001	2990	3008
20°	3041	3033	3055
25°	3077	3084	3096
30°	3140	3152	3164
35°	3189	3206	3244
40°	3217	3271	3343
45°	3159	3256	3363
50°	3051	3228	3357
55°	2957	3209	3395
60°	2840	3205	3419
65°	2716	3189	3450
70°	2530	3154	3487
75°	2264	3077	3436
80°	1886	2838	2640
85°	1423	1661	1385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.6	2.9
10°-20°	609.4	8.4
20°-30°	961.2	13.2
30°-40°	1227.1	16.9
40°-50°	1321.8	18.2
50°-60°	1217.9	16.8
60°-70°	974.1	13.4
70°-80°	597.9	8.2
80°-90°	136.4	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°	1779.3	24.5
0°-40°	3006.4	41.4
0°-60°	5546.1	76.5
0°-90°	7254.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7254.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2193	2193	2193	2193	2193	
5°	2193	2193	2183	2195	2195	209
15°	2154	2157	2147	2160	2160	609
25°	2072	2075	2078	2088	2085	959
35°	1942	1947	1952	1972	1975	1214
45°	1660	1678	1711	1755	1768	1278
55°	1260	1294	1368	1430	1447	1126
65°	853	909	1002	1063	1084	843
75°	436	505	592	646	661	464
85°	92	123	108	95	90	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2192.9	2192.9	2192.9	2192.9	2192.9
2.5°	2192.9	2195.4	2182.6	2195.4	2198.0
5°	2192.9	2192.9	2182.6	2195.4	2195.4
7.5°	2187.7	2187.7	2177.5	2190.3	2190.3
10°	2174.9	2174.9	2164.7	2177.5	2182.6
12.5°	2164.7	2164.7	2157.0	2169.8	2169.8
15°	2154.4	2157.0	2146.7	2159.6	2159.6
17.5°	2139.1	2139.1	2133.9	2144.2	2146.7
20°	2123.7	2123.7	2118.6	2131.4	2133.9
22.5°	2098.1	2100.6	2098.1	2108.3	2108.3
25°	2072.5	2075.0	2077.6	2087.8	2085.3
27.5°	2052.0	2054.5	2054.5	2064.8	2057.1
30°	2021.2	2028.9	2028.9	2034.0	2036.6
32.5°	1985.4	1995.6	1998.2	2008.4	2011.0
35°	1941.8	1946.9	1952.1	1972.5	1975.1
37.5°	1893.1	1905.9	1911.1	1939.2	1946.9
40°	1831.7	1847.0	1862.4	1898.3	1903.4
42.5°	1754.8	1772.7	1793.2	1831.7	1841.9
45°	1660.0	1677.9	1711.2	1754.8	1767.6
47.5°	1562.7	1583.2	1629.3	1675.4	1685.6
50°	1457.6	1488.4	1542.2	1596.0	1603.7
52.5°	1362.9	1393.6	1460.2	1516.6	1529.4
55°	1260.4	1293.7	1368.0	1429.5	1447.4
57.5°	1157.9	1201.5	1280.9	1342.4	1360.3
60°	1055.4	1101.6	1191.2	1247.6	1270.6
62.5°	955.5	1006.8	1096.4	1160.5	1178.4
65°	853.1	909.4	1001.6	1063.1	1083.6
67.5°	748.0	807.0	904.3	965.8	986.3
70°	643.0	709.6	801.8	868.4	886.4
72.5°	543.1	604.6	696.8	755.7	778.8
75°	435.5	504.7	591.8	645.6	660.9
77.5°	338.2	404.8	481.6	514.9	509.8
80°	243.4	312.5	366.3	356.1	340.7
82.5°	164.0	220.3	228.0	212.6	207.5
85°	92.2	123.0	107.6	94.8	89.7
87.5°	38.4	33.3	17.9	7.7	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)