

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: P302351

Luminaire Tested: **ZX-WO-75H940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302351
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-75H940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

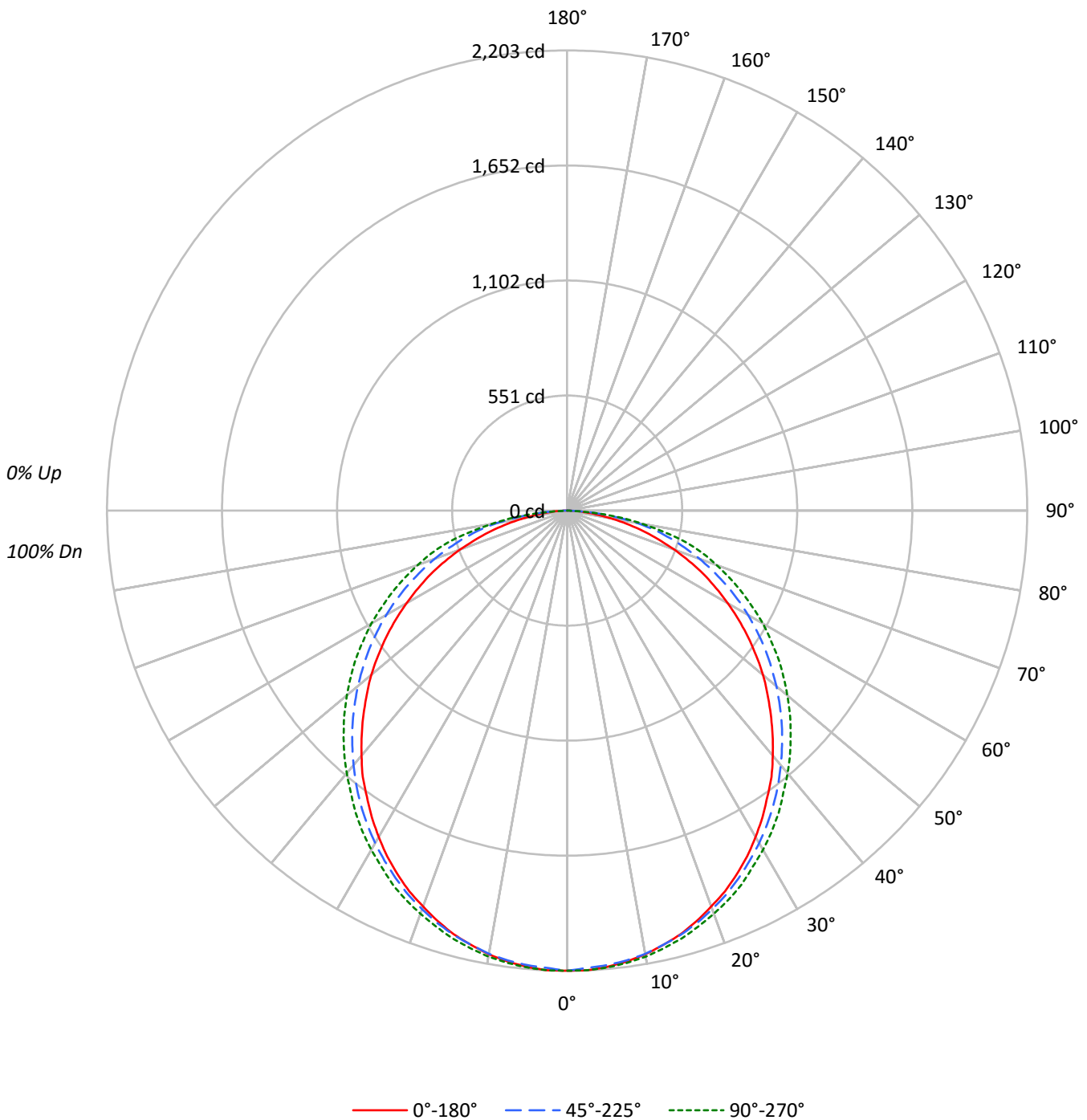
Lumens per Lamp: N/A
Luminaire Lumens: 6411.5 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (A_{in}): 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°	2964	2964	2964
5°	2963	2950	2966
10°	2947	2944	2962
15°	2925	2928	2953
20°	2888	2908	2941
25°	2852	2883	2934
30°	2803	2857	2914
35°	2746	2828	2900
40°	2690	2795	2884
45°	2623	2767	2880
50°	2564	2737	2880
55°	2481	2712	2895
60°	2391	2693	2914
65°	2296	2668	2938
70°	2144	2648	2991
75°	1952	2654	3083
80°	1615	2626	2839
85°	1237	2086	2015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.3	3.2
10°-20°	594.7	9.3
20°-30°	897.1	14.0
30°-40°	1077.0	16.8
40°-50°	1120.1	17.5
50°-60°	1030.1	16.1
60°-70°	821.0	12.8
70°-80°	520.2	8.1
80°-90°	143.1	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°	1700.0	26.5
0°-40°	2777.0	43.3
0°-60°	4927.2	76.8
0°-90°	6411.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6411.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2203	2203	2203	2203	2203	
5°	2194	2194	2184	2196	2196	208
15°	2100	2100	2102	2118	2120	592
25°	1921	1930	1942	1969	1976	885
35°	1672	1690	1722	1754	1765	1047
45°	1378	1408	1454	1500	1514	1064
55°	1058	1092	1156	1214	1234	945
65°	721	758	838	902	923	711
75°	376	424	511	575	593	395
85°	80	114	135	133	130	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2202.7	2202.7	2202.7	2202.7	2202.7
2.5°	2202.7	2202.7	2191.2	2202.7	2202.7
5°	2193.5	2193.5	2184.4	2195.8	2195.8
7.5°	2177.5	2179.8	2172.9	2184.4	2184.4
10°	2156.9	2159.2	2154.6	2168.3	2168.3
12.5°	2129.4	2131.7	2129.4	2145.4	2145.4
15°	2099.7	2099.7	2101.9	2118.0	2120.3
17.5°	2060.7	2065.3	2069.9	2088.2	2088.2
20°	2017.2	2024.1	2031.0	2053.9	2053.9
22.5°	1973.7	1980.6	1989.7	2012.6	2017.2
25°	1921.1	1930.2	1941.7	1969.1	1976.0
27.5°	1866.1	1873.0	1891.3	1921.1	1923.3
30°	1804.3	1815.7	1838.6	1868.4	1875.3
32.5°	1740.2	1756.2	1781.4	1815.7	1822.6
35°	1671.5	1689.8	1721.9	1753.9	1765.4
37.5°	1607.4	1621.1	1657.7	1694.4	1701.2
40°	1531.8	1552.4	1591.3	1632.6	1641.7
42.5°	1456.2	1479.1	1522.6	1563.9	1579.9
45°	1378.4	1408.2	1454.0	1499.8	1513.5
47.5°	1300.5	1332.6	1380.7	1431.1	1447.1
50°	1225.0	1254.8	1307.4	1360.1	1376.1
52.5°	1140.3	1174.6	1231.9	1289.1	1305.1
55°	1057.8	1092.2	1156.3	1213.5	1234.1
57.5°	973.1	1012.0	1078.4	1138.0	1156.3
60°	888.4	929.6	1000.6	1060.1	1083.0
62.5°	803.7	842.6	920.5	980.0	1000.6
65°	721.3	757.9	838.0	902.1	922.7
67.5°	632.0	673.2	755.6	822.0	840.3
70°	544.9	586.2	673.2	741.9	760.2
72.5°	455.6	503.7	590.7	657.1	682.3
75°	375.5	423.6	510.6	574.7	593.0
77.5°	290.8	338.9	428.2	474.0	476.3
80°	208.4	263.3	338.9	357.2	366.4
82.5°	137.4	190.0	233.5	256.4	256.4
85°	80.1	114.5	135.1	132.8	130.5
87.5°	29.8	38.9	32.1	22.9	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)