

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: P302349

Luminaire Tested: **ZX-WO-65H940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302349
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-65H940-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

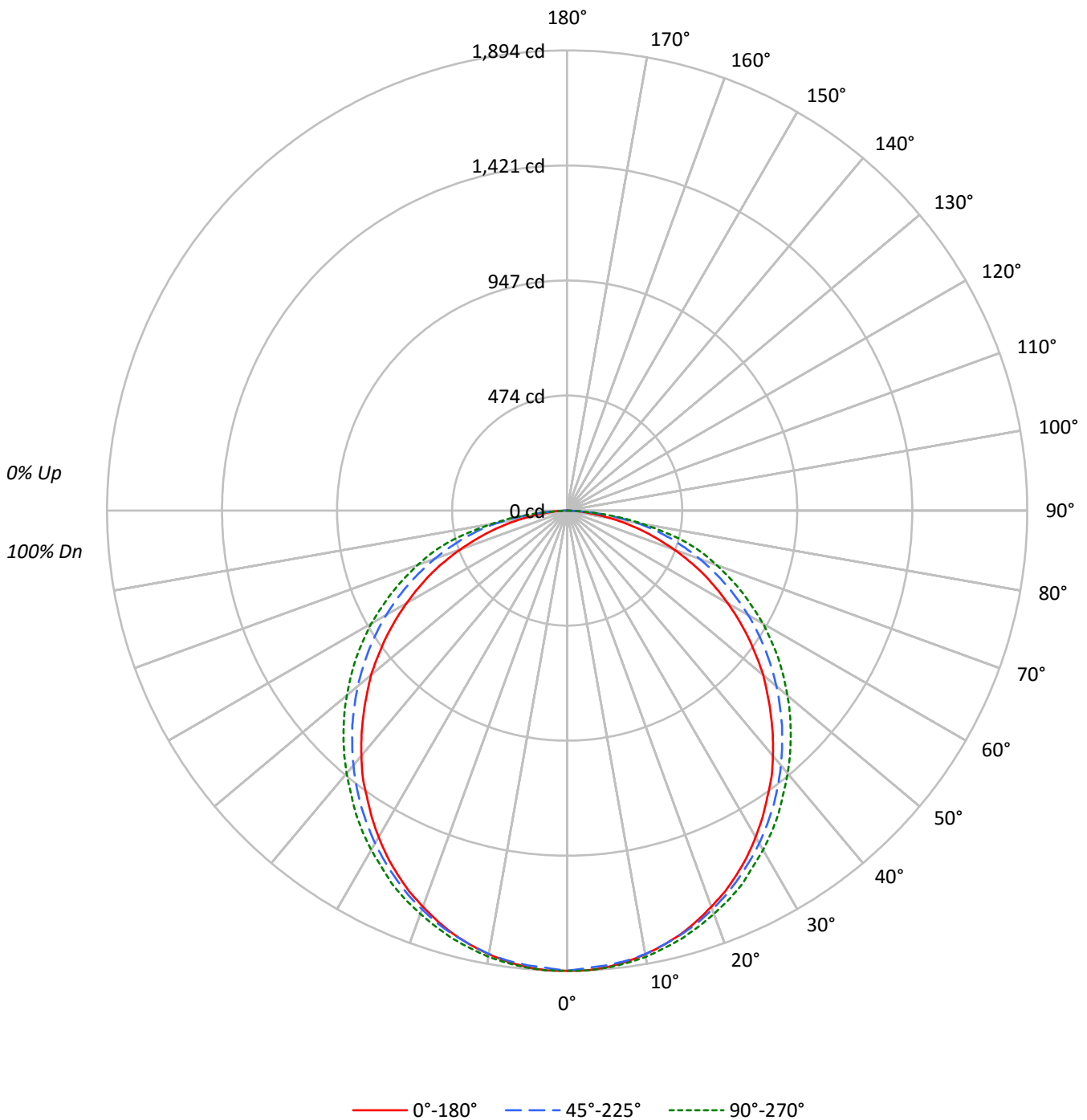
Lumens per Lamp: N/A
Luminaire Lumens: 5514.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 46.1
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°	2549	2549	2549
5°	2548	2537	2551
10°	2534	2532	2548
15°	2515	2518	2540
20°	2484	2501	2529
25°	2453	2479	2523
30°	2411	2457	2506
35°	2361	2432	2494
40°	2314	2404	2480
45°	2256	2379	2477
50°	2205	2354	2477
55°	2134	2333	2490
60°	2056	2316	2506
65°	1975	2294	2527
70°	1844	2277	2572
75°	1679	2283	2651
80°	1389	2258	2442
85°	1064	1794	1732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	3.2
10°-20°	511.4	9.3
20°-30°	771.5	14.0
30°-40°	926.2	16.8
40°-50°	963.3	17.5
50°-60°	885.9	16.1
60°-70°	706.1	12.8
70°-80°	447.4	8.1
80°-90°	123.1	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°	1462.0	26.5
0°-40°	2388.3	43.3
0°-60°	4237.5	76.8
0°-90°	5514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1886	1886	1879	1888	1888	179
15°	1806	1806	1808	1822	1824	509
25°	1652	1660	1670	1694	1699	761
35°	1438	1453	1481	1508	1518	900
45°	1186	1211	1250	1290	1302	915
55°	910	939	994	1044	1061	813
65°	620	652	721	776	794	611
75°	323	364	439	494	510	340
85°	69	98	116	114	112	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.4	1894.4	1894.4	1894.4	1894.4
2.5°	1894.4	1894.4	1884.5	1894.4	1894.4
5°	1886.5	1886.5	1878.6	1888.5	1888.5
7.5°	1872.7	1874.7	1868.8	1878.6	1878.6
10°	1855.0	1856.9	1853.0	1864.8	1864.8
12.5°	1831.3	1833.3	1831.3	1845.1	1845.1
15°	1805.7	1805.7	1807.7	1821.5	1823.5
17.5°	1772.3	1776.2	1780.1	1795.9	1795.9
20°	1734.9	1740.8	1746.7	1766.4	1766.4
22.5°	1697.4	1703.4	1711.2	1730.9	1734.9
25°	1652.2	1660.0	1669.9	1693.5	1699.4
27.5°	1604.9	1610.8	1626.6	1652.2	1654.1
30°	1551.7	1561.6	1581.3	1606.9	1612.8
32.5°	1496.6	1510.4	1532.0	1561.6	1567.5
35°	1437.5	1453.3	1480.8	1508.4	1518.2
37.5°	1382.4	1394.2	1425.7	1457.2	1463.1
40°	1317.4	1335.1	1368.6	1404.0	1411.9
42.5°	1252.4	1272.1	1309.5	1345.0	1358.7
45°	1185.5	1211.1	1250.4	1289.8	1301.6
47.5°	1118.5	1146.1	1187.4	1230.7	1244.5
50°	1053.5	1079.1	1124.4	1169.7	1183.5
52.5°	980.7	1010.2	1059.4	1108.7	1122.4
55°	909.8	939.3	994.4	1043.7	1061.4
57.5°	836.9	870.4	927.5	978.7	994.4
60°	764.0	799.5	860.5	911.7	931.4
62.5°	691.2	724.7	791.6	842.8	860.5
65°	620.3	651.8	720.7	775.9	793.6
67.5°	543.5	578.9	649.8	706.9	722.7
70°	468.7	504.1	578.9	638.0	653.8
72.5°	391.9	433.2	508.1	565.2	586.8
75°	322.9	364.3	439.1	494.3	510.0
77.5°	250.1	291.4	368.2	407.6	409.6
80°	179.2	226.5	291.4	307.2	315.1
82.5°	118.2	163.4	200.9	220.5	220.5
85°	68.9	98.5	116.2	114.2	112.2
87.5°	25.6	33.5	27.6	19.7	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)