

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: P302348

Luminaire Tested: **ZX-WO-60H940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302348
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-60H940-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

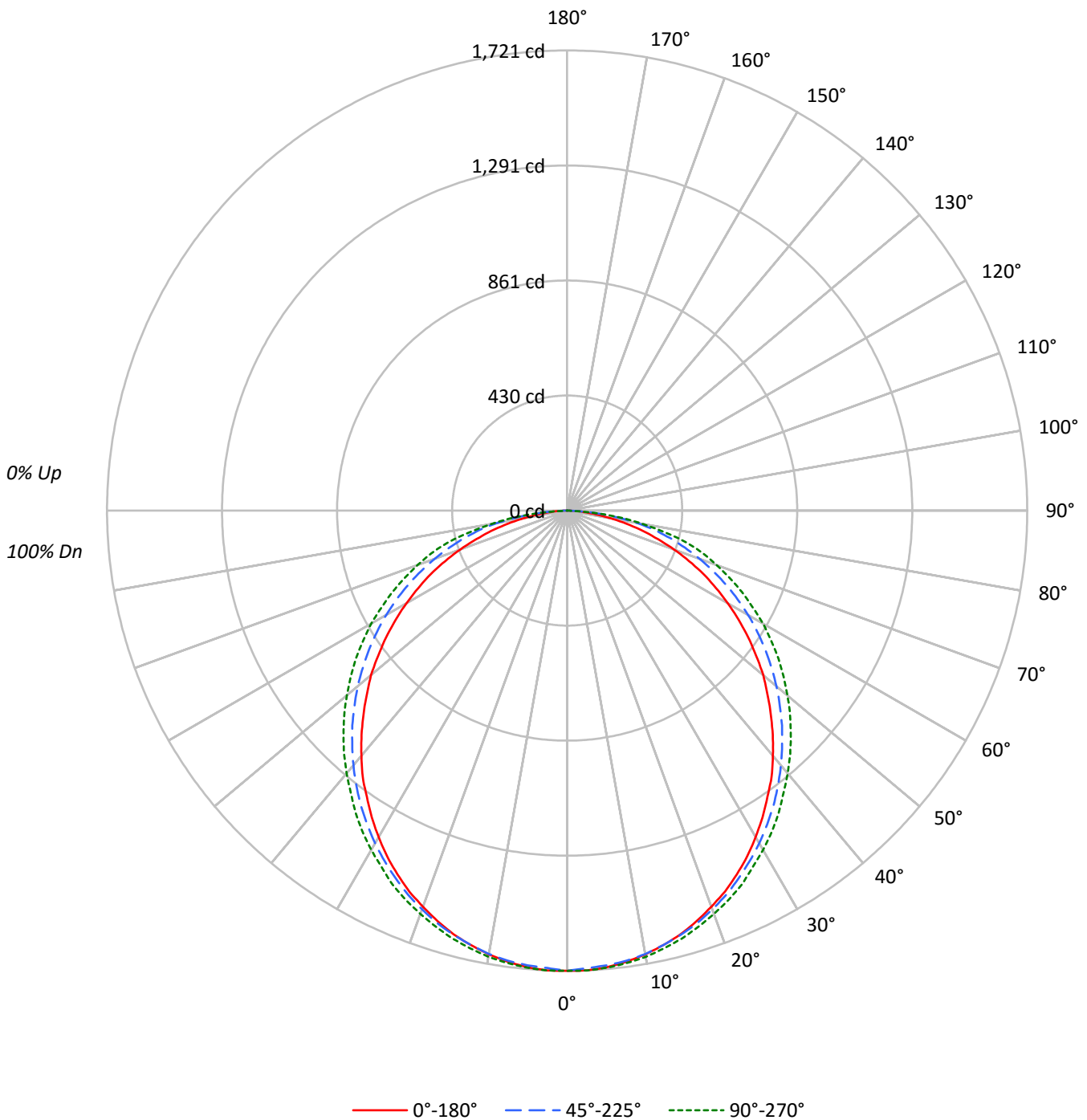
Lumens per Lamp: N/A
Luminaire Lumens: 5010.6 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2316	2316	2316
5°	2315	2306	2318
10°	2303	2300	2315
15°	2286	2288	2308
20°	2257	2273	2298
25°	2229	2253	2292
30°	2191	2232	2277
35°	2146	2210	2266
40°	2103	2184	2253
45°	2050	2162	2251
50°	2004	2139	2251
55°	1939	2120	2263
60°	1868	2104	2278
65°	1795	2085	2296
70°	1675	2070	2337
75°	1526	2074	2410
80°	1261	2052	2218
85°	966	1630	1575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	3.2
10°-20°	464.7	9.3
20°-30°	701.1	14.0
30°-40°	841.7	16.8
40°-50°	875.3	17.5
50°-60°	805.0	16.1
60°-70°	641.6	12.8
70°-80°	406.6	8.1
80°-90°	111.8	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°	1328.6	26.5
0°-40°	2170.2	43.3
0°-60°	3850.6	76.8
0°-90°	5010.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5010.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1721	1721	1721	1721	1721	
5°	1714	1714	1707	1716	1716	163
15°	1641	1641	1643	1655	1657	462
25°	1501	1508	1517	1539	1544	692
35°	1306	1321	1346	1371	1380	818
45°	1077	1100	1136	1172	1183	832
55°	827	854	904	948	964	739
65°	564	592	655	705	721	556
75°	294	331	399	449	464	309
85°	63	90	106	104	102	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1721.4	1721.4	1721.4	1721.4	1721.4
2.5°	1721.4	1721.4	1712.5	1721.4	1721.4
5°	1714.2	1714.2	1707.1	1716.0	1716.0
7.5°	1701.7	1703.5	1698.1	1707.1	1707.1
10°	1685.6	1687.4	1683.8	1694.6	1694.6
12.5°	1664.1	1665.9	1664.1	1676.7	1676.7
15°	1640.9	1640.9	1642.7	1655.2	1657.0
17.5°	1610.5	1614.0	1617.6	1631.9	1631.9
20°	1576.5	1581.8	1587.2	1605.1	1605.1
22.5°	1542.5	1547.8	1555.0	1572.9	1576.5
25°	1501.3	1508.5	1517.4	1538.9	1544.2
27.5°	1458.4	1463.7	1478.0	1501.3	1503.1
30°	1410.0	1419.0	1436.9	1460.1	1465.5
32.5°	1359.9	1372.5	1392.1	1419.0	1424.4
35°	1306.3	1320.6	1345.6	1370.7	1379.6
37.5°	1256.2	1266.9	1295.5	1324.2	1329.5
40°	1197.1	1213.2	1243.6	1275.8	1283.0
42.5°	1138.1	1155.9	1189.9	1222.2	1234.7
45°	1077.2	1100.5	1136.3	1172.1	1182.8
47.5°	1016.4	1041.4	1079.0	1118.4	1130.9
50°	957.3	980.6	1021.7	1062.9	1075.4
52.5°	891.1	918.0	962.7	1007.4	1020.0
55°	826.7	853.5	903.6	948.4	964.5
57.5°	760.5	790.9	842.8	889.3	903.6
60°	694.3	726.5	782.0	828.5	846.4
62.5°	628.1	658.5	719.3	765.9	782.0
65°	563.7	592.3	654.9	705.0	721.1
67.5°	493.9	526.1	590.5	642.4	656.7
70°	425.9	458.1	526.1	579.8	594.1
72.5°	356.1	393.7	461.7	513.6	533.2
75°	293.5	331.0	399.0	449.1	463.5
77.5°	227.3	264.8	334.6	370.4	372.2
80°	162.8	205.8	264.8	279.1	286.3
82.5°	107.4	148.5	182.5	200.4	200.4
85°	62.6	89.5	105.6	103.8	102.0
87.5°	23.3	30.4	25.1	17.9	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)