

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: P302437

Luminaire Tested: **ZX-WO-65L840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302437
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-65L840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6448.2 lumens
Efficiency: N/A
Efficacy: 131.9 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

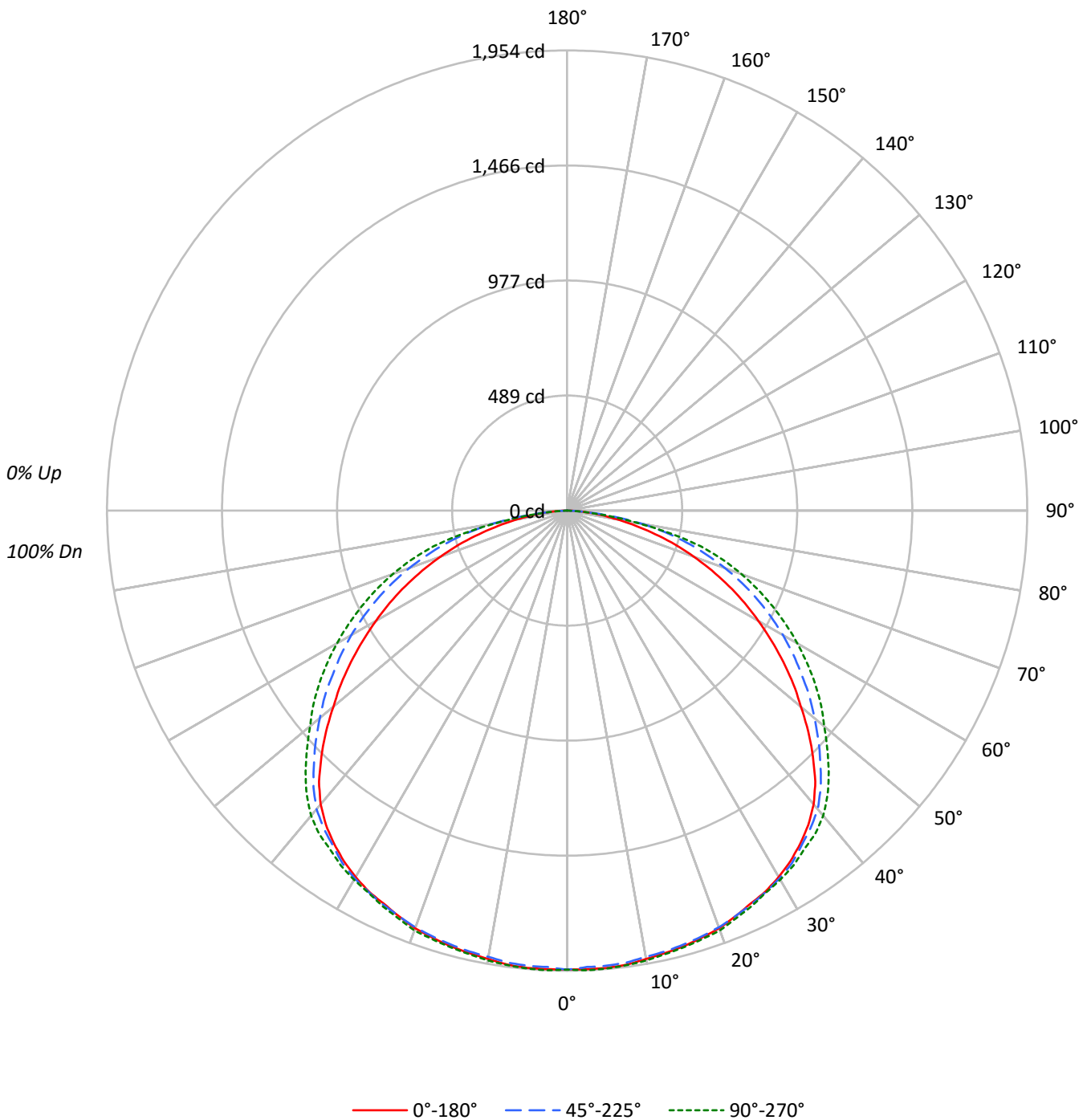
Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P302437

CATALOG NUMBER: ZX-WO-65L840-UNV-24-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302437

CATALOG NUMBER: ZX-WO-65L840-UNV-24-STD

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2622	2622	2622
5°	2633	2620	2636
10°	2641	2629	2651
15°	2668	2658	2674
20°	2703	2696	2716
25°	2735	2742	2752
30°	2791	2802	2812
35°	2835	2850	2884
40°	2860	2908	2971
45°	2808	2894	2990
50°	2712	2869	2984
55°	2628	2852	3018
60°	2524	2849	3039
65°	2414	2834	3067
70°	2248	2804	3100
75°	2012	2734	3054
80°	1676	2523	2346
85°	1266	1476	1230



TEST NUMBER: P302437

CATALOG NUMBER: ZX-WO-65L840-UNV-24-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.5	2.9
10°-20°	541.7	8.4
20°-30°	854.4	13.2
30°-40°	1090.7	16.9
40°-50°	1174.9	18.2
50°-60°	1082.5	16.8
60°-70°	865.8	13.4
70°-80°	531.5	8.2
80°-90°	121.2	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°	1581.5	24.5
0°-40°	2672.2	41.4
0°-60°	4929.7	76.5
0°-90°	6448.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6448.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1949	1949	1949	1949	1949	
5°	1949	1949	1940	1951	1951	186
15°	1915	1917	1908	1920	1920	542
25°	1842	1844	1847	1856	1854	852
35°	1726	1730	1735	1753	1756	1079
45°	1476	1492	1521	1560	1571	1136
55°	1120	1150	1216	1271	1286	1001
65°	758	808	890	945	963	749
75°	387	449	526	574	588	412
85°	82	109	96	84	80	101
90°	0	0	0	0	0	



TEST NUMBER: P302437

CATALOG NUMBER: ZX-WO-65L840-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1949.1	1949.1	1949.1	1949.1	1949.1
2.5°	1949.1	1951.4	1940.0	1951.4	1953.7
5°	1949.1	1949.1	1940.0	1951.4	1951.4
7.5°	1944.6	1944.6	1935.5	1946.9	1946.9
10°	1933.2	1933.2	1924.1	1935.5	1940.0
12.5°	1924.1	1924.1	1917.3	1928.6	1928.6
15°	1915.0	1917.3	1908.1	1919.5	1919.5
17.5°	1901.3	1901.3	1896.8	1905.9	1908.1
20°	1887.7	1887.7	1883.1	1894.5	1896.8
22.5°	1864.9	1867.2	1864.9	1874.0	1874.0
25°	1842.1	1844.4	1846.7	1855.8	1853.5
27.5°	1823.9	1826.2	1826.2	1835.3	1828.5
30°	1796.6	1803.4	1803.4	1808.0	1810.2
32.5°	1764.7	1773.8	1776.1	1785.2	1787.5
35°	1726.0	1730.5	1735.1	1753.3	1755.6
37.5°	1682.7	1694.1	1698.7	1723.7	1730.5
40°	1628.1	1641.7	1655.4	1687.3	1691.8
42.5°	1559.8	1575.7	1593.9	1628.1	1637.2
45°	1475.5	1491.5	1521.1	1559.8	1571.1
47.5°	1389.0	1407.2	1448.2	1489.2	1498.3
50°	1295.6	1323.0	1370.8	1418.6	1425.4
52.5°	1211.4	1238.7	1297.9	1348.0	1359.4
55°	1120.3	1149.9	1215.9	1270.6	1286.5
57.5°	1029.2	1067.9	1138.5	1193.2	1209.1
60°	938.1	979.1	1058.8	1108.9	1129.4
62.5°	849.3	894.9	974.6	1031.5	1047.4
65°	758.3	808.3	890.3	945.0	963.2
67.5°	664.9	717.3	803.8	858.4	876.7
70°	571.5	630.7	712.7	771.9	787.9
72.5°	482.7	537.4	619.4	671.7	692.2
75°	387.1	448.6	526.0	573.8	587.5
77.5°	300.6	359.8	428.1	457.7	453.1
80°	216.3	277.8	325.6	316.5	302.8
82.5°	145.7	195.8	202.7	189.0	184.4
85°	82.0	109.3	95.6	84.3	79.7
87.5°	34.2	29.6	15.9	6.8	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)