

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: P302318

Luminaire Tested: **ZX-WO-60H840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302318
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-60H840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

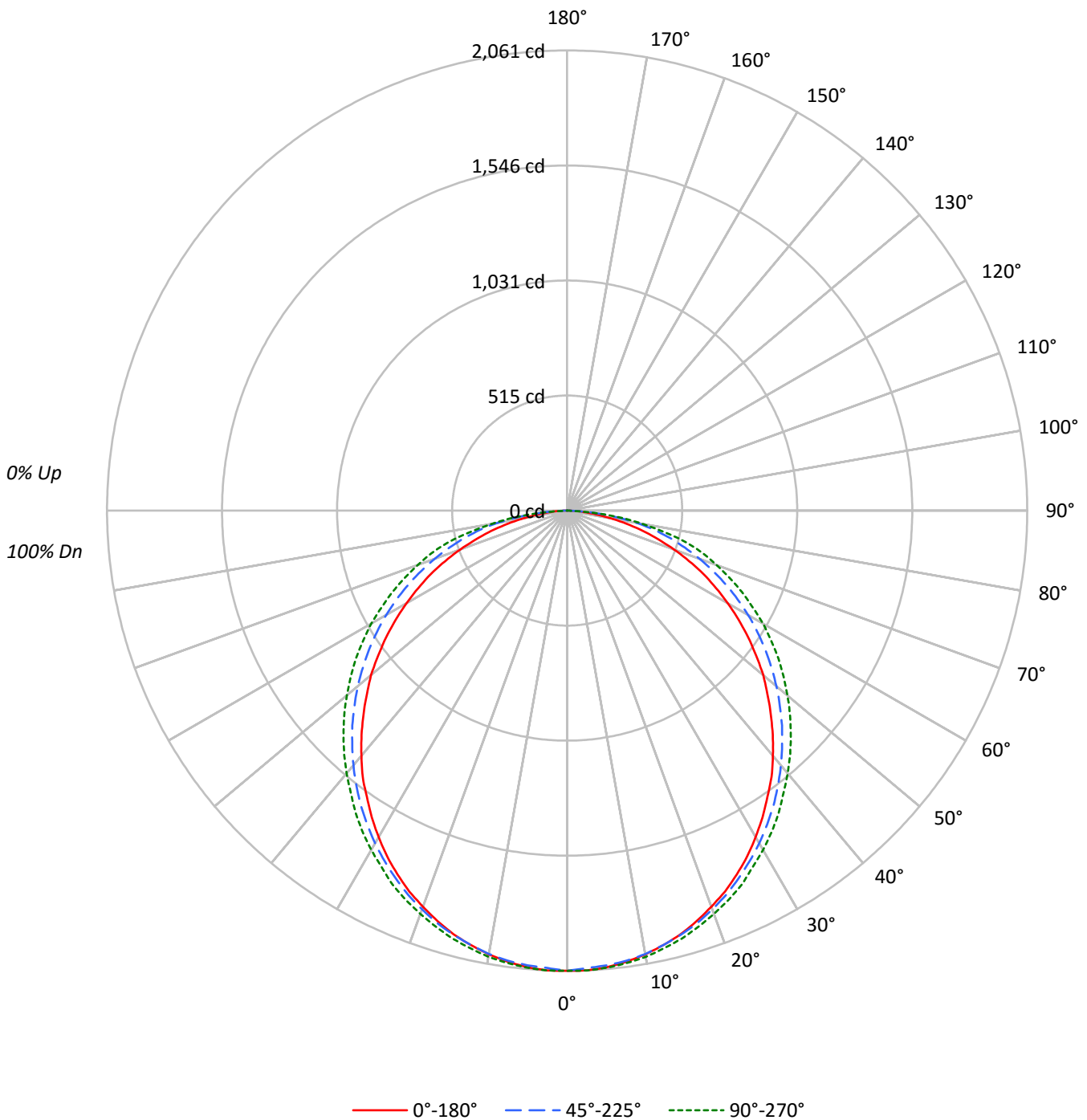
Lumens per Lamp: N/A
Luminaire Lumens: 6000.3 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2774	2774	2774
5°	2773	2761	2776
10°	2758	2755	2773
15°	2737	2740	2764
20°	2703	2721	2752
25°	2669	2698	2745
30°	2623	2673	2727
35°	2569	2647	2714
40°	2518	2616	2699
45°	2455	2589	2695
50°	2400	2561	2696
55°	2322	2538	2709
60°	2237	2520	2728
65°	2149	2497	2749
70°	2006	2478	2799
75°	1827	2484	2885
80°	1511	2457	2657
85°	1158	1951	1885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.9	3.2
10°-20°	556.5	9.3
20°-30°	839.5	14.0
30°-40°	1007.9	16.8
40°-50°	1048.2	17.5
50°-60°	964.0	16.1
60°-70°	768.3	12.8
70°-80°	486.9	8.1
80°-90°	133.9	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°	1591.0	26.5
0°-40°	2598.9	43.3
0°-60°	4611.2	76.8
0°-90°	6000.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6000.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2061	2061	2061	2061	2061	
5°	2053	2053	2044	2055	2055	195
15°	1965	1965	1967	1982	1984	554
25°	1798	1806	1817	1843	1849	828
35°	1564	1581	1611	1641	1652	980
45°	1290	1318	1361	1404	1416	996
55°	990	1022	1082	1136	1155	885
65°	675	709	784	844	864	665
75°	351	396	478	538	555	370
85°	75	107	126	124	122	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2061.4	2061.4	2061.4	2061.4	2061.4
2.5°	2061.4	2061.4	2050.7	2061.4	2061.4
5°	2052.9	2052.9	2044.3	2055.0	2055.0
7.5°	2037.9	2040.0	2033.6	2044.3	2044.3
10°	2018.6	2020.7	2016.4	2029.3	2029.3
12.5°	1992.9	1995.0	1992.9	2007.9	2007.9
15°	1965.0	1965.0	1967.1	1982.1	1984.3
17.5°	1928.6	1932.9	1937.1	1954.3	1954.3
20°	1887.9	1894.3	1900.7	1922.1	1922.1
22.5°	1847.1	1853.6	1862.1	1883.6	1887.9
25°	1797.9	1806.4	1817.1	1842.9	1849.3
27.5°	1746.4	1752.9	1770.0	1797.9	1800.0
30°	1688.6	1699.3	1720.7	1748.6	1755.0
32.5°	1628.6	1643.6	1667.1	1699.3	1705.7
35°	1564.3	1581.4	1611.4	1641.4	1652.1
37.5°	1504.3	1517.1	1551.4	1585.7	1592.1
40°	1433.6	1452.9	1489.3	1527.9	1536.4
42.5°	1362.9	1384.3	1425.0	1463.6	1478.6
45°	1290.0	1317.9	1360.7	1403.6	1416.4
47.5°	1217.1	1247.1	1292.1	1339.3	1354.3
50°	1146.4	1174.3	1223.6	1272.9	1287.9
52.5°	1067.1	1099.3	1152.9	1206.4	1221.4
55°	990.0	1022.1	1082.1	1135.7	1155.0
57.5°	910.7	947.1	1009.3	1065.0	1082.1
60°	831.4	870.0	936.4	992.1	1013.6
62.5°	752.1	788.6	861.4	917.1	936.4
65°	675.0	709.3	784.3	844.3	863.6
67.5°	591.4	630.0	707.1	769.3	786.4
70°	510.0	548.6	630.0	694.3	711.4
72.5°	426.4	471.4	552.9	615.0	638.6
75°	351.4	396.4	477.9	537.9	555.0
77.5°	272.1	317.1	400.7	443.6	445.7
80°	195.0	246.4	317.1	334.3	342.9
82.5°	128.6	177.9	218.6	240.0	240.0
85°	75.0	107.1	126.4	124.3	122.1
87.5°	27.9	36.4	30.0	21.4	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)