

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: P302267

Luminaire Tested: **RX-WO-55H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302267
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: RX-WO-55H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (336)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

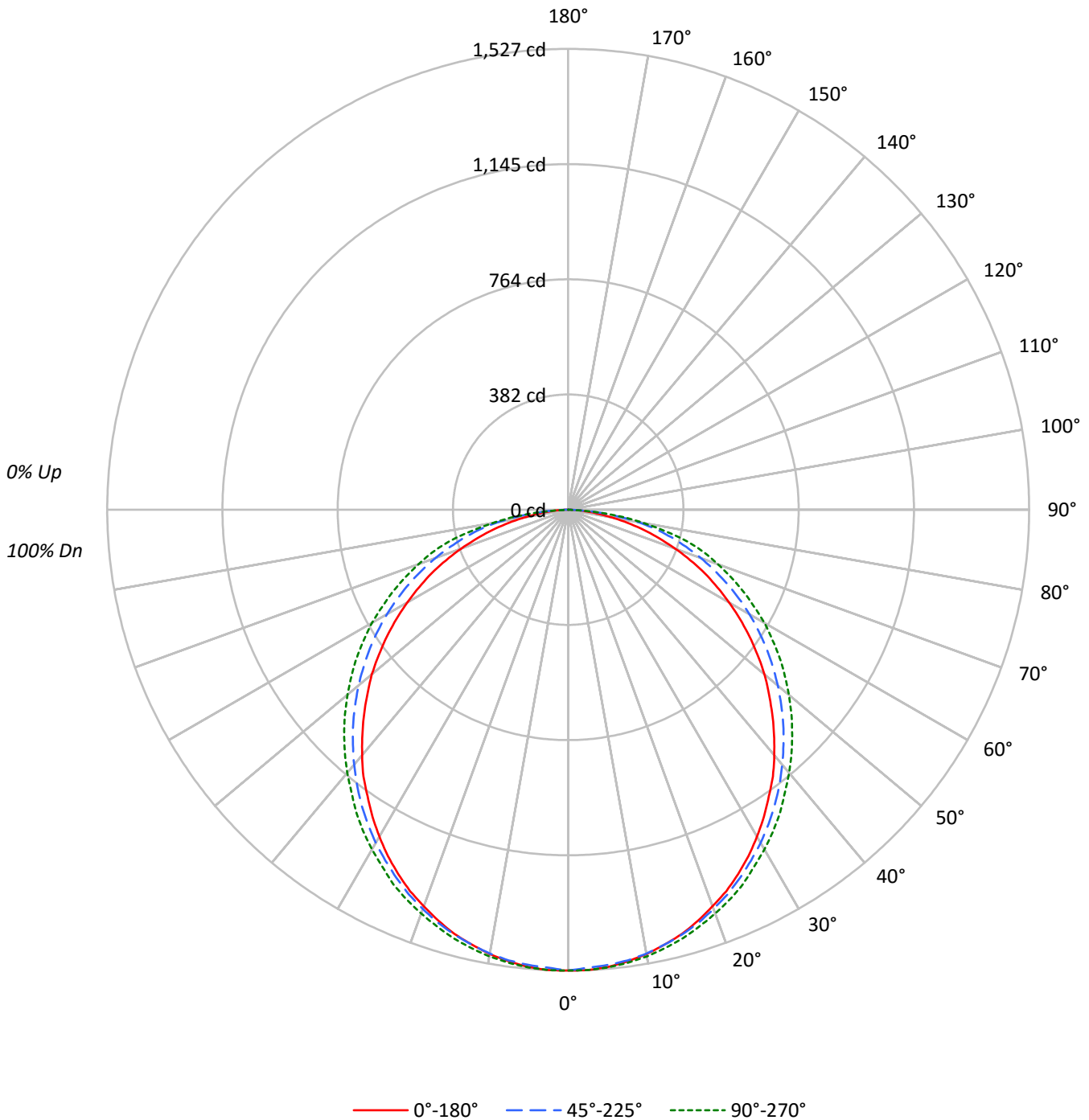
Lumens per Lamp: N/A
Luminaire Lumens: 4444.5 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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



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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°	2054	2054	2054
5°	2054	2045	2056
10°	2043	2041	2054
15°	2027	2030	2047
20°	2002	2016	2039
25°	1977	1998	2034
30°	1943	1980	2020
35°	1903	1961	2010
40°	1865	1937	1999
45°	1818	1918	1996
50°	1778	1897	1997
55°	1720	1880	2007
60°	1657	1866	2020
65°	1592	1849	2037
70°	1486	1836	2073
75°	1353	1840	2137
80°	1119	1820	1968
85°	858	1445	1397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	3.2
10°-20°	412.2	9.3
20°-30°	621.9	14.0
30°-40°	746.6	16.8
40°-50°	776.4	17.5
50°-60°	714.1	16.1
60°-70°	569.1	12.8
70°-80°	360.6	8.1
80°-90°	99.2	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°	1178.5	26.5
0°-40°	1925.1	43.3
0°-60°	3415.6	76.8
0°-90°	4444.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4444.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1527	1527	1527	1527	1527	
5°	1521	1521	1514	1522	1522	144
15°	1456	1456	1457	1468	1470	410
25°	1332	1338	1346	1365	1370	613
35°	1159	1171	1194	1216	1224	726
45°	956	976	1008	1040	1049	738
55°	733	757	802	841	856	655
65°	500	525	581	625	640	493
75°	260	294	354	398	411	274
85°	56	79	94	92	90	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1526.9	1526.9	1519.0	1526.9	1526.9
5°	1520.6	1520.6	1514.2	1522.2	1522.2
7.5°	1509.5	1511.1	1506.3	1514.2	1514.2
10°	1495.2	1496.8	1493.6	1503.1	1503.1
12.5°	1476.1	1477.7	1476.1	1487.2	1487.2
15°	1455.5	1455.5	1457.1	1468.2	1469.8
17.5°	1428.5	1431.7	1434.9	1447.6	1447.6
20°	1398.4	1403.1	1407.9	1423.8	1423.8
22.5°	1368.2	1373.0	1379.3	1395.2	1398.4
25°	1331.7	1338.0	1346.0	1365.0	1369.8
27.5°	1293.6	1298.4	1311.1	1331.7	1333.3
30°	1250.7	1258.7	1274.6	1295.2	1300.0
32.5°	1206.3	1217.4	1234.9	1258.7	1263.4
35°	1158.7	1171.4	1193.6	1215.8	1223.8
37.5°	1114.2	1123.8	1149.2	1174.6	1179.3
40°	1061.9	1076.2	1103.1	1131.7	1138.1
42.5°	1009.5	1025.4	1055.5	1084.1	1095.2
45°	955.5	976.2	1007.9	1039.6	1049.2
47.5°	901.6	923.8	957.1	992.0	1003.1
50°	849.2	869.8	906.3	942.8	953.9
52.5°	790.4	814.3	853.9	893.6	904.7
55°	733.3	757.1	801.6	841.2	855.5
57.5°	674.6	701.6	747.6	788.9	801.6
60°	615.9	644.4	693.6	734.9	750.8
62.5°	557.1	584.1	638.1	679.3	693.6
65°	500.0	525.4	580.9	625.4	639.7
67.5°	438.1	466.6	523.8	569.8	582.5
70°	377.8	406.3	466.6	514.3	527.0
72.5°	315.9	349.2	409.5	455.5	473.0
75°	260.3	293.6	354.0	398.4	411.1
77.5°	201.6	234.9	296.8	328.6	330.1
80°	144.4	182.5	234.9	247.6	254.0
82.5°	95.2	131.7	161.9	177.8	177.8
85°	55.6	79.4	93.6	92.1	90.5
87.5°	20.6	27.0	22.2	15.9	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)