

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: P302265

Luminaire Tested: **RX-WO-45H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302265
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-45H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

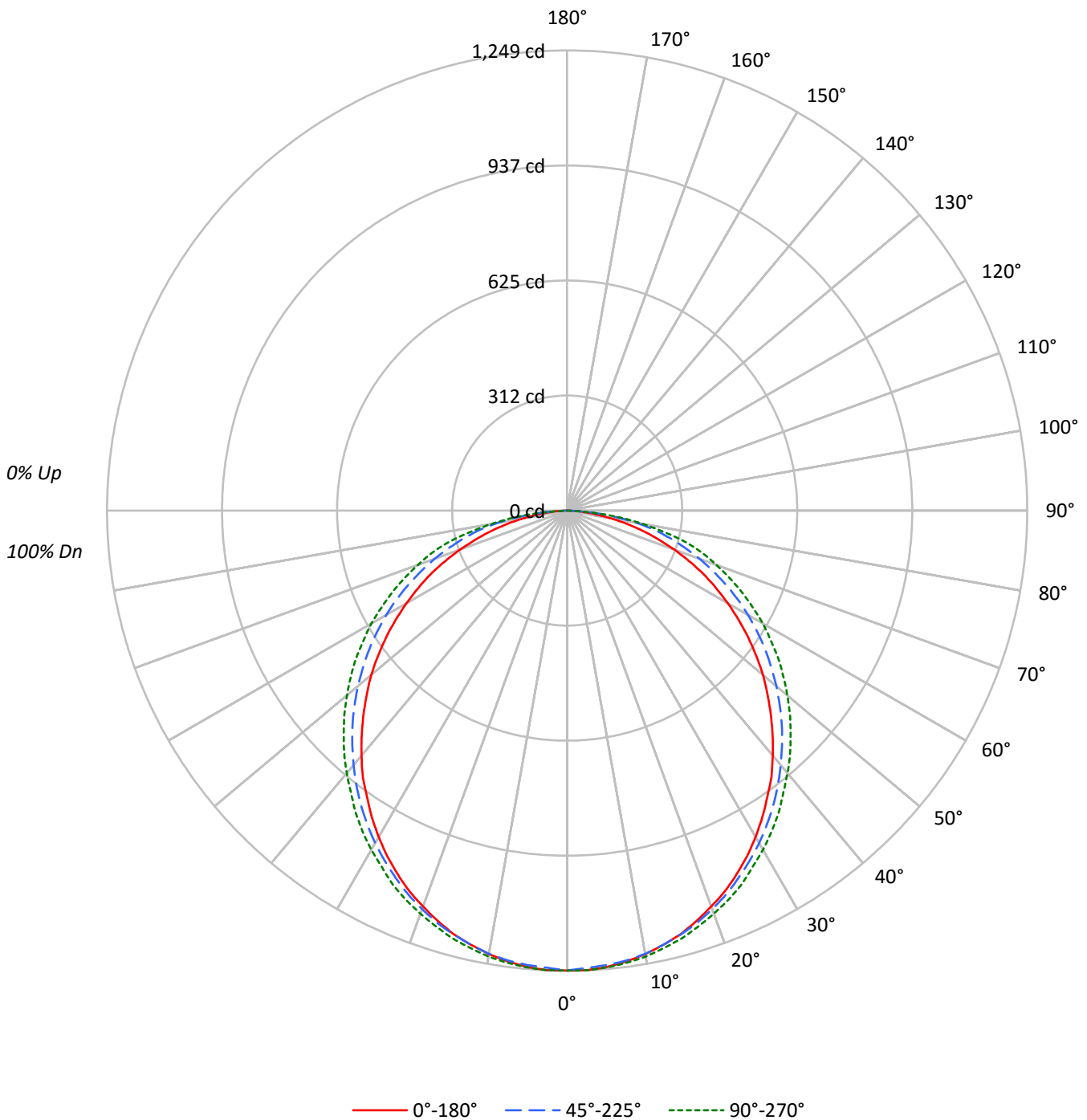
Lumens per Lamp: N/A
Luminaire Lumens: 3634.4 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
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°	1680	1680	1680
5°	1679	1672	1681
10°	1670	1669	1679
15°	1658	1660	1674
20°	1637	1648	1667
25°	1617	1634	1663
30°	1589	1619	1652
35°	1556	1603	1644
40°	1525	1584	1635
45°	1487	1568	1632
50°	1454	1551	1633
55°	1407	1537	1641
60°	1355	1526	1652
65°	1301	1512	1665
70°	1215	1501	1695
75°	1107	1504	1748
80°	915	1488	1609
85°	701	1183	1142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	3.2
10°-20°	337.1	9.3
20°-30°	508.5	14.0
30°-40°	610.5	16.8
40°-50°	634.9	17.5
50°-60°	583.9	16.1
60°-70°	465.4	12.8
70°-80°	294.9	8.1
80°-90°	81.1	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°	963.6	26.5
0°-40°	1574.1	43.3
0°-60°	2793.0	76.8
0°-90°	3634.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3634.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1243	1243	1238	1245	1245	118
15°	1190	1190	1192	1201	1202	335
25°	1089	1094	1101	1116	1120	502
35°	948	958	976	994	1001	593
45°	781	798	824	850	858	603
55°	600	619	655	688	700	536
65°	409	430	475	511	523	403
75°	213	240	289	326	336	224
85°	45	65	77	75	74	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.6	1248.6	1248.6	1248.6	1248.6
2.5°	1248.6	1248.6	1242.1	1248.6	1248.6
5°	1243.4	1243.4	1238.2	1244.7	1244.7
7.5°	1234.3	1235.6	1231.7	1238.2	1238.2
10°	1222.6	1223.9	1221.3	1229.1	1229.1
12.5°	1207.1	1208.4	1207.1	1216.1	1216.1
15°	1190.2	1190.2	1191.5	1200.6	1201.9
17.5°	1168.1	1170.7	1173.3	1183.7	1183.7
20°	1143.5	1147.4	1151.2	1164.2	1164.2
22.5°	1118.8	1122.7	1127.9	1140.9	1143.5
25°	1088.9	1094.1	1100.6	1116.2	1120.1
27.5°	1057.8	1061.7	1072.1	1088.9	1090.2
30°	1022.8	1029.2	1042.2	1059.1	1063.0
32.5°	986.4	995.5	1009.8	1029.2	1033.1
35°	947.5	957.9	976.0	994.2	1000.7
37.5°	911.1	918.9	939.7	960.5	964.3
40°	868.3	880.0	902.0	925.4	930.6
42.5°	825.5	838.5	863.1	886.5	895.6
45°	781.3	798.2	824.2	850.1	857.9
47.5°	737.2	755.4	782.6	811.2	820.3
50°	694.4	711.3	741.1	771.0	780.0
52.5°	646.4	665.8	698.3	730.7	739.8
55°	599.6	619.1	655.4	687.9	699.6
57.5°	551.6	573.7	611.3	645.1	655.4
60°	503.6	527.0	567.2	600.9	613.9
62.5°	455.6	477.6	521.8	555.5	567.2
65°	408.8	429.6	475.0	511.4	523.1
67.5°	358.2	381.6	428.3	466.0	476.3
70°	308.9	332.3	381.6	420.5	430.9
72.5°	258.3	285.5	334.9	372.5	386.8
75°	212.9	240.1	289.4	325.8	336.2
77.5°	164.8	192.1	242.7	268.7	270.0
80°	118.1	149.3	192.1	202.5	207.7
82.5°	77.9	107.7	132.4	145.4	145.4
85°	45.4	64.9	76.6	75.3	74.0
87.5°	16.9	22.1	18.2	13.0	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)