

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: P302268

Luminaire Tested: **RX-WO-60H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302268
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-60H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

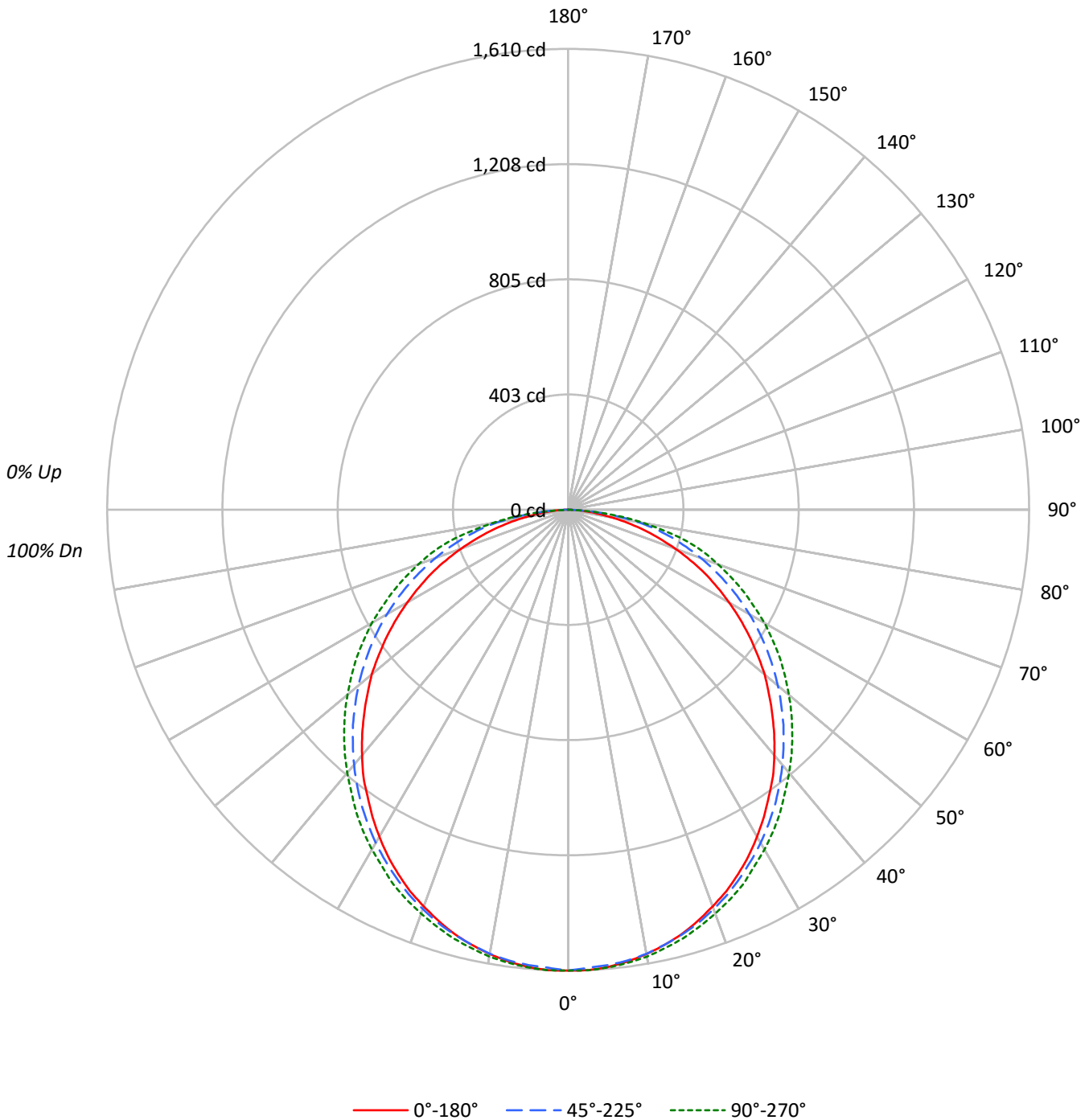
Lumens per Lamp: N/A
Luminaire Lumens: 4687.2 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2167	2167	2167
5°	2166	2157	2168
10°	2154	2152	2166
15°	2138	2141	2159
20°	2112	2126	2150
25°	2085	2107	2145
30°	2049	2088	2130
35°	2007	2068	2120
40°	1967	2043	2108
45°	1917	2022	2105
50°	1875	2001	2106
55°	1814	1983	2116
60°	1748	1968	2131
65°	1679	1951	2148
70°	1567	1936	2186
75°	1427	1941	2254
80°	1180	1919	2075
85°	905	1525	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	3.2
10°-20°	434.7	9.3
20°-30°	655.8	14.0
30°-40°	787.4	16.8
40°-50°	818.9	17.5
50°-60°	753.1	16.1
60°-70°	600.2	12.8
70°-80°	380.3	8.1
80°-90°	104.6	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°	1242.8	26.5
0°-40°	2030.2	43.3
0°-60°	3602.1	76.8
0°-90°	4687.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4687.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1610	1610	1610	1610	1610	
5°	1604	1604	1597	1605	1605	152
15°	1535	1535	1537	1548	1550	433
25°	1404	1411	1420	1440	1445	647
35°	1222	1235	1259	1282	1291	765
45°	1008	1030	1063	1096	1106	778
55°	773	798	845	887	902	691
65°	527	554	613	660	675	520
75°	274	310	373	420	434	289
85°	59	84	99	97	95	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1610.3	1610.3	1610.3	1610.3	1610.3
2.5°	1610.3	1610.3	1601.9	1610.3	1610.3
5°	1603.6	1603.6	1596.9	1605.3	1605.3
7.5°	1591.9	1593.6	1588.6	1596.9	1596.9
10°	1576.8	1578.5	1575.2	1585.2	1585.2
12.5°	1556.8	1558.4	1556.8	1568.5	1568.5
15°	1535.0	1535.0	1536.7	1548.4	1550.1
17.5°	1506.5	1509.9	1513.2	1526.6	1526.6
20°	1474.7	1479.8	1484.8	1501.5	1501.5
22.5°	1442.9	1447.9	1454.6	1471.4	1474.7
25°	1404.4	1411.1	1419.5	1439.6	1444.6
27.5°	1364.3	1369.3	1382.7	1404.4	1406.1
30°	1319.1	1327.4	1344.2	1365.9	1370.9
32.5°	1272.2	1283.9	1302.3	1327.4	1332.4
35°	1222.0	1235.4	1258.8	1282.2	1290.6
37.5°	1175.1	1185.1	1211.9	1238.7	1243.7
40°	1119.9	1134.9	1163.4	1193.5	1200.2
42.5°	1064.6	1081.4	1113.2	1143.3	1155.0
45°	1007.7	1029.5	1062.9	1096.4	1106.5
47.5°	950.8	974.2	1009.4	1046.2	1057.9
50°	895.6	917.3	955.8	994.3	1006.0
52.5°	833.6	858.7	900.6	942.4	954.1
55°	773.4	798.5	845.3	887.2	902.2
57.5°	711.4	739.9	788.4	831.9	845.3
60°	649.5	679.6	731.5	775.0	791.8
62.5°	587.5	616.0	672.9	716.4	731.5
65°	527.3	554.1	612.7	659.5	674.6
67.5°	462.0	492.1	552.4	600.9	614.3
70°	398.4	428.5	492.1	542.4	555.7
72.5°	333.1	368.3	431.9	480.4	498.8
75°	274.5	309.7	373.3	420.2	433.5
77.5°	212.6	247.7	313.0	346.5	348.2
80°	152.3	192.5	247.7	261.1	267.8
82.5°	100.4	138.9	170.7	187.5	187.5
85°	58.6	83.7	98.8	97.1	95.4
87.5°	21.8	28.5	23.4	16.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)