

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: P302239

Luminaire Tested: **RX-WO-65H830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302239
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-65H830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

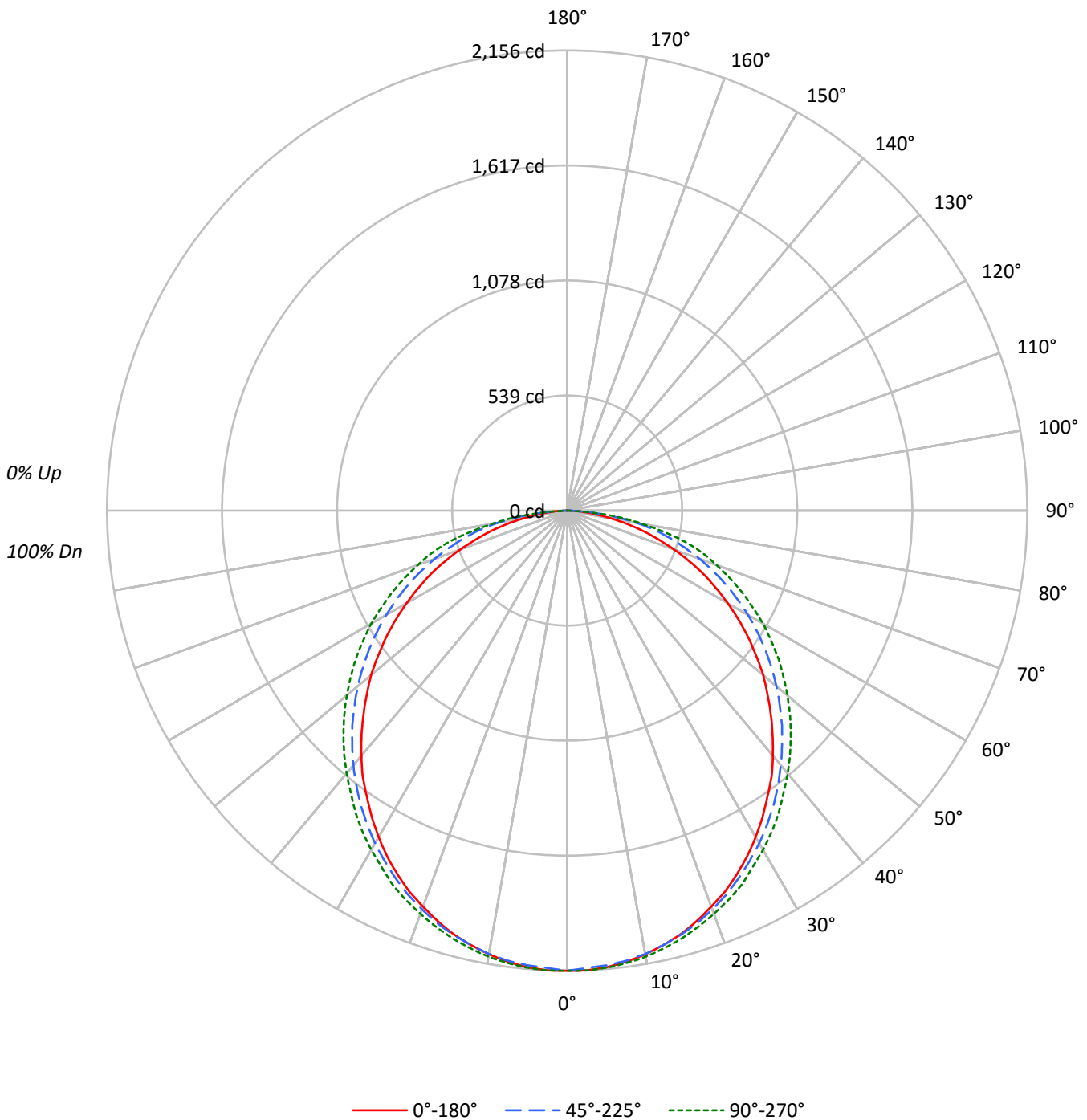
Lumens per Lamp: N/A
Luminaire Lumens: 6276.3 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 46.1
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°	2901	2901	2901
5°	2900	2888	2903
10°	2885	2882	2900
15°	2863	2866	2891
20°	2827	2847	2879
25°	2792	2822	2872
30°	2744	2796	2852
35°	2688	2769	2838
40°	2634	2736	2823
45°	2567	2708	2819
50°	2510	2679	2820
55°	2429	2655	2834
60°	2340	2636	2853
65°	2248	2612	2876
70°	2099	2592	2928
75°	1911	2598	3018
80°	1581	2570	2779
85°	1210	2041	1973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	3.2
10°-20°	582.1	9.3
20°-30°	878.2	14.0
30°-40°	1054.3	16.8
40°-50°	1096.5	17.5
50°-60°	1008.4	16.1
60°-70°	803.7	12.8
70°-80°	509.3	8.1
80°-90°	140.1	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°	1664.2	26.5
0°-40°	2718.5	43.3
0°-60°	4823.3	76.8
0°-90°	6276.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6276.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2156	2156	2156	2156	2156	
5°	2147	2147	2138	2150	2150	204
15°	2055	2055	2058	2073	2076	579
25°	1881	1890	1901	1928	1934	866
35°	1636	1654	1686	1717	1728	1025
45°	1349	1378	1423	1468	1482	1042
55°	1036	1069	1132	1188	1208	925
65°	706	742	820	883	903	696
75°	368	415	500	563	580	387
85°	78	112	132	130	128	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2156.3	2156.3	2156.3	2156.3	2156.3
2.5°	2156.3	2156.3	2145.0	2156.3	2156.3
5°	2147.3	2147.3	2138.3	2149.5	2149.5
7.5°	2131.6	2133.8	2127.1	2138.3	2138.3
10°	2111.4	2113.7	2109.2	2122.6	2122.6
12.5°	2084.5	2086.8	2084.5	2100.2	2100.2
15°	2055.4	2055.4	2057.6	2073.3	2075.6
17.5°	2017.3	2021.8	2026.2	2044.2	2044.2
20°	1974.7	1981.4	1988.1	2010.6	2010.6
22.5°	1932.1	1938.8	1947.8	1970.2	1974.7
25°	1880.6	1889.5	1900.7	1927.6	1934.4
27.5°	1826.8	1833.5	1851.4	1880.6	1882.8
30°	1766.2	1777.5	1799.9	1829.0	1835.7
32.5°	1703.5	1719.2	1743.8	1777.5	1784.2
35°	1636.2	1654.2	1685.6	1716.9	1728.1
37.5°	1573.5	1586.9	1622.8	1658.7	1665.4
40°	1499.5	1519.7	1557.8	1598.1	1607.1
42.5°	1425.5	1448.0	1490.5	1530.9	1546.6
45°	1349.3	1378.5	1423.3	1468.1	1481.6
47.5°	1273.1	1304.5	1351.6	1400.9	1416.6
50°	1199.2	1228.3	1279.9	1331.4	1347.1
52.5°	1116.2	1149.9	1205.9	1261.9	1277.6
55°	1035.5	1069.2	1131.9	1188.0	1208.1
57.5°	952.6	990.7	1055.7	1114.0	1131.9
60°	869.7	910.0	979.5	1037.8	1060.2
62.5°	786.7	824.8	901.1	959.3	979.5
65°	706.0	741.9	820.4	883.1	903.3
67.5°	618.6	659.0	739.7	804.7	822.6
70°	533.5	573.8	659.0	726.2	744.2
72.5°	446.0	493.1	578.3	643.3	667.9
75°	367.6	414.7	499.8	562.6	580.5
77.5°	284.7	331.7	419.1	464.0	466.2
80°	204.0	257.8	331.7	349.7	358.6
82.5°	134.5	186.0	228.6	251.0	251.0
85°	78.4	112.1	132.2	130.0	127.8
87.5°	29.1	38.1	31.4	22.4	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)