

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: P302249

Luminaire Tested: **RX-WO-65H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302249
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-65H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6398.9 lumens
Efficiency: N/A
Efficacy: 138.8 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

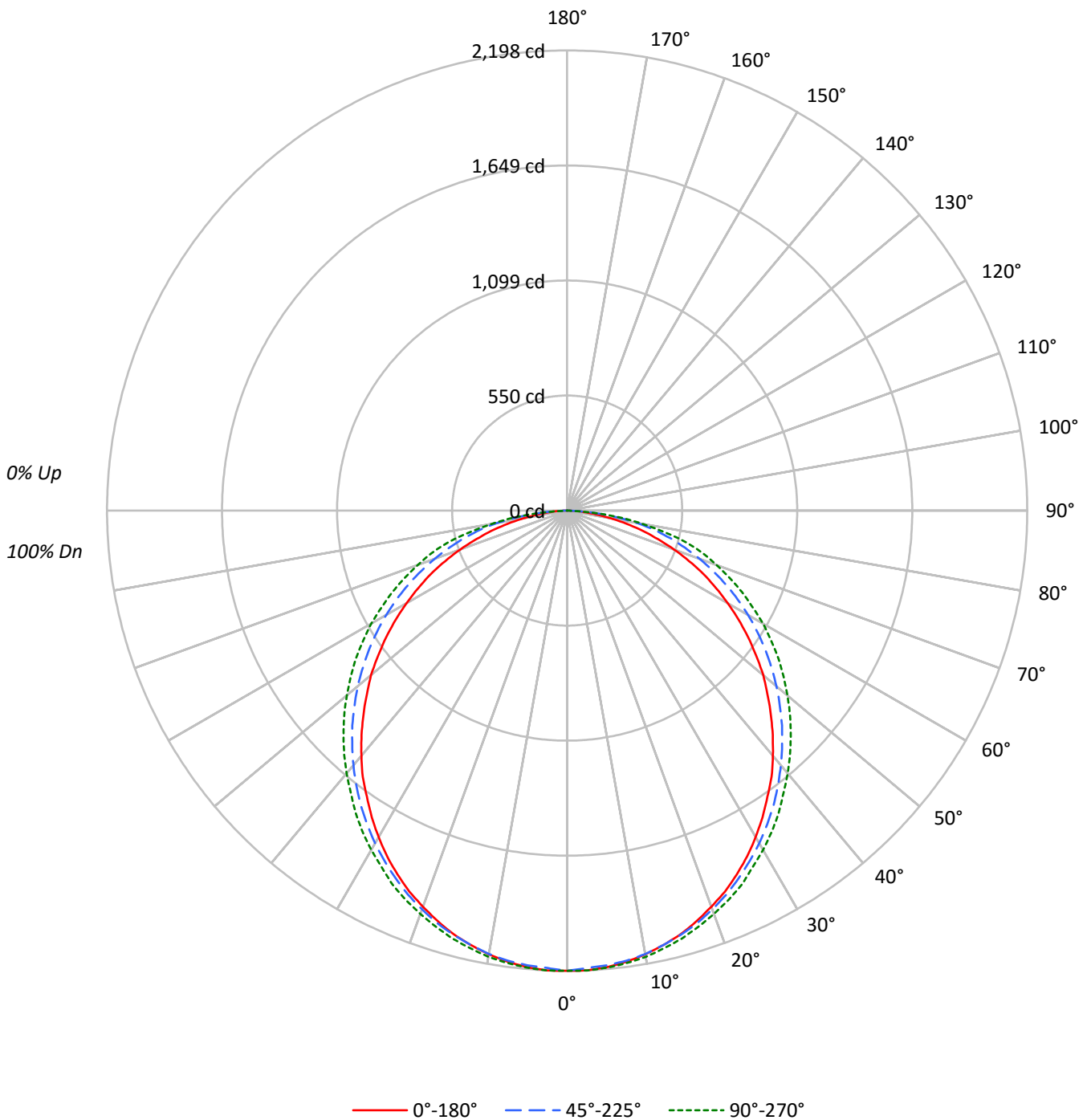
Input Watts (W): 46.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2958	2958	2958
5°	2957	2945	2960
10°	2941	2938	2957
15°	2919	2922	2948
20°	2883	2902	2935
25°	2846	2877	2928
30°	2798	2851	2908
35°	2740	2823	2894
40°	2685	2790	2878
45°	2618	2761	2874
50°	2559	2731	2875
55°	2477	2707	2889
60°	2386	2687	2909
65°	2292	2663	2932
70°	2140	2643	2985
75°	1948	2649	3077
80°	1612	2620	2833
85°	1235	2081	2012



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	3.2
10°-20°	593.5	9.3
20°-30°	895.3	14.0
30°-40°	1074.9	16.8
40°-50°	1117.9	17.5
50°-60°	1028.1	16.1
60°-70°	819.4	12.8
70°-80°	519.2	8.1
80°-90°	142.8	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°	1696.7	26.5
0°-40°	2771.5	43.3
0°-60°	4917.5	76.8
0°-90°	6398.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6398.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2198	2198	2198	2198	2198	
5°	2189	2189	2180	2192	2192	208
15°	2096	2096	2098	2114	2116	590
25°	1917	1926	1938	1965	1972	883
35°	1668	1686	1718	1750	1762	1045
45°	1376	1405	1451	1497	1510	1062
55°	1056	1090	1154	1211	1232	944
65°	720	756	836	900	921	710
75°	375	423	510	574	592	394
85°	80	114	135	132	130	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2198.4	2198.4	2198.4	2198.4	2198.4
2.5°	2198.4	2198.4	2186.9	2198.4	2198.4
5°	2189.2	2189.2	2180.1	2191.5	2191.5
7.5°	2173.2	2175.5	2168.7	2180.1	2180.1
10°	2152.7	2154.9	2150.4	2164.1	2164.1
12.5°	2125.2	2127.5	2125.2	2141.2	2141.2
15°	2095.5	2095.5	2097.8	2113.8	2116.1
17.5°	2056.7	2061.3	2065.8	2084.1	2084.1
20°	2013.3	2020.1	2027.0	2049.8	2049.8
22.5°	1969.8	1976.7	1985.8	2008.7	2013.3
25°	1917.3	1926.4	1937.9	1965.3	1972.1
27.5°	1862.4	1869.3	1887.6	1917.3	1919.6
30°	1800.7	1812.2	1835.0	1864.7	1871.6
32.5°	1736.8	1752.7	1777.9	1812.2	1819.0
35°	1668.2	1686.5	1718.5	1750.5	1761.9
37.5°	1604.2	1617.9	1654.5	1691.0	1697.9
40°	1528.8	1549.4	1588.2	1629.3	1638.5
42.5°	1453.4	1476.2	1519.7	1560.8	1576.8
45°	1375.7	1405.4	1451.1	1496.8	1510.5
47.5°	1298.0	1330.0	1378.0	1428.3	1444.2
50°	1222.6	1252.3	1304.9	1357.4	1373.4
52.5°	1138.0	1172.3	1229.4	1286.6	1302.6
55°	1055.8	1090.0	1154.0	1211.2	1231.7
57.5°	971.2	1010.1	1076.3	1135.7	1154.0
60°	886.7	927.8	998.6	1058.0	1080.9
62.5°	802.1	841.0	918.7	978.1	998.6
65°	719.8	756.4	836.4	900.4	920.9
67.5°	630.7	671.8	754.1	820.4	838.7
70°	543.9	585.0	671.8	740.4	758.7
72.5°	454.8	502.7	589.6	655.9	681.0
75°	374.8	422.8	509.6	573.6	591.9
77.5°	290.2	338.2	427.3	473.0	475.3
80°	208.0	262.8	338.2	356.5	365.6
82.5°	137.1	189.7	233.1	255.9	255.9
85°	80.0	114.3	134.8	132.5	130.3
87.5°	29.7	38.8	32.0	22.9	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)