

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: P701536

Luminaire Tested: **RX-WO-20LB2750-UNV-14_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-20LB2750-UNV-14_5000K
Description: 1X4 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

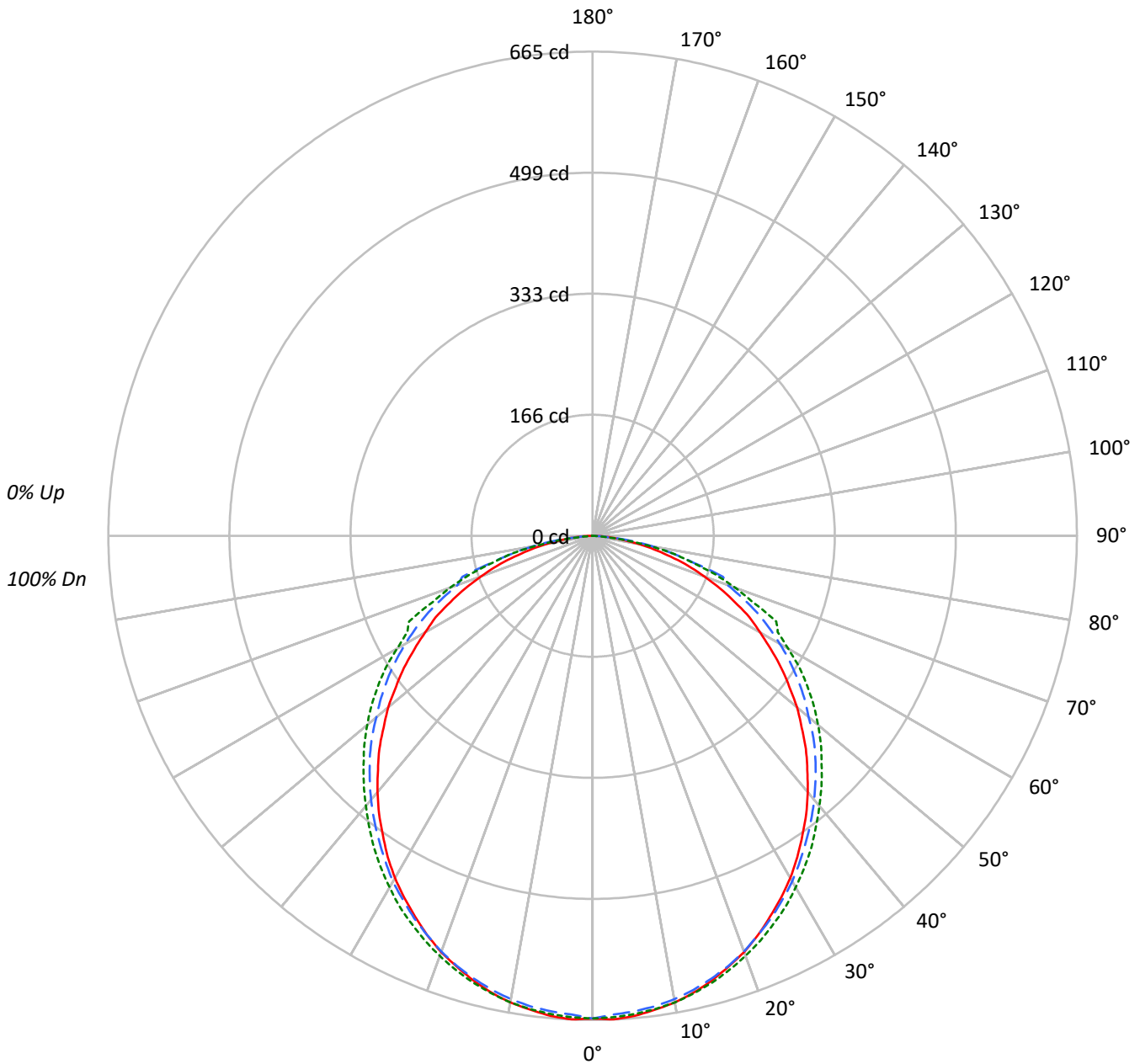
Lumens per Lamp: N/A
Luminaire Lumens: 1885.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): 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				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	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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1871	1871	1871
5°	1876	1858	1868
10°	1866	1852	1866
15°	1848	1840	1856
20°	1828	1825	1844
25°	1797	1805	1832
30°	1769	1787	1817
35°	1730	1762	1803
40°	1693	1744	1785
45°	1653	1727	1775
50°	1608	1701	1775
55°	1556	1693	1770
60°	1498	1676	1749
65°	1439	1661	1859
70°	1343	1625	1717
75°	1211	1573	1543
80°	1022	1352	1278
85°	748	657	240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	3.3
10°-20°	178.4	9.5
20°-30°	268.2	14.2
30°-40°	320.9	17.0
40°-50°	332.7	17.6
50°-60°	305.1	16.2
60°-70°	242.7	12.9
70°-80°	144.2	7.6
80°-90°	30.2	1.6
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°	509.3	27.0
0°-40°	830.1	44.0
0°-60°	1467.9	77.9
0°-90°	1885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	663	663	663	663	663	
5°	662	660	656	660	659	63
15°	632	632	630	635	635	178
25°	577	578	580	588	588	266
35°	502	505	511	522	523	314
45°	414	421	433	442	445	319
55°	316	327	344	358	360	282
65°	215	228	249	259	278	213
75°	111	127	144	143	142	118
85°	23	29	20	11	7	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	663.0	663.0	663.0	663.0	663.0
2.5°	664.8	663.0	658.3	663.0	662.0
5°	662.0	660.2	655.6	660.2	659.3
7.5°	656.5	655.6	651.9	656.5	655.6
10°	650.9	649.1	646.3	650.9	650.9
12.5°	642.6	640.8	638.9	644.5	643.5
15°	632.4	631.5	629.7	635.2	635.2
17.5°	620.4	620.4	619.5	625.1	625.1
20°	608.4	607.5	607.5	614.0	614.0
22.5°	593.6	593.6	593.6	601.9	601.9
25°	577.0	577.9	579.7	588.1	588.1
27.5°	560.3	562.2	564.0	572.3	574.2
30°	542.8	543.7	548.3	556.6	557.6
32.5°	523.3	525.2	529.8	539.1	540.9
35°	502.1	504.8	511.3	521.5	523.3
37.5°	481.7	485.4	492.8	503.0	503.9
40°	459.5	464.2	473.4	482.7	484.5
42.5°	436.4	442.0	453.1	463.2	465.1
45°	414.2	420.7	432.7	442.0	444.7
47.5°	389.3	396.7	411.5	422.6	425.3
50°	366.2	373.6	387.4	401.3	404.1
52.5°	340.3	350.4	366.2	380.0	382.8
55°	316.2	327.3	344.0	357.8	359.7
57.5°	290.3	302.4	320.8	333.8	336.6
60°	265.4	278.3	296.8	308.8	309.8
62.5°	243.2	254.3	272.8	283.9	286.6
65°	215.4	228.4	248.7	258.9	278.3
67.5°	189.5	202.5	221.9	256.1	237.6
70°	162.7	177.5	196.9	206.2	208.0
72.5°	137.8	152.6	187.7	177.5	176.6
75°	111.0	126.7	144.2	143.3	141.5
77.5°	86.0	102.6	112.8	113.7	113.7
80°	62.9	83.2	83.2	83.2	78.6
82.5°	40.7	53.6	53.6	46.2	41.6
85°	23.1	28.7	20.3	11.1	7.4
87.5°	8.3	6.5	1.8	1.8	0.9
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)