

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: P701532

Luminaire Tested: **RX-WO-20LB2750-UNV-14_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701532
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_2700K
Description: 1X4 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

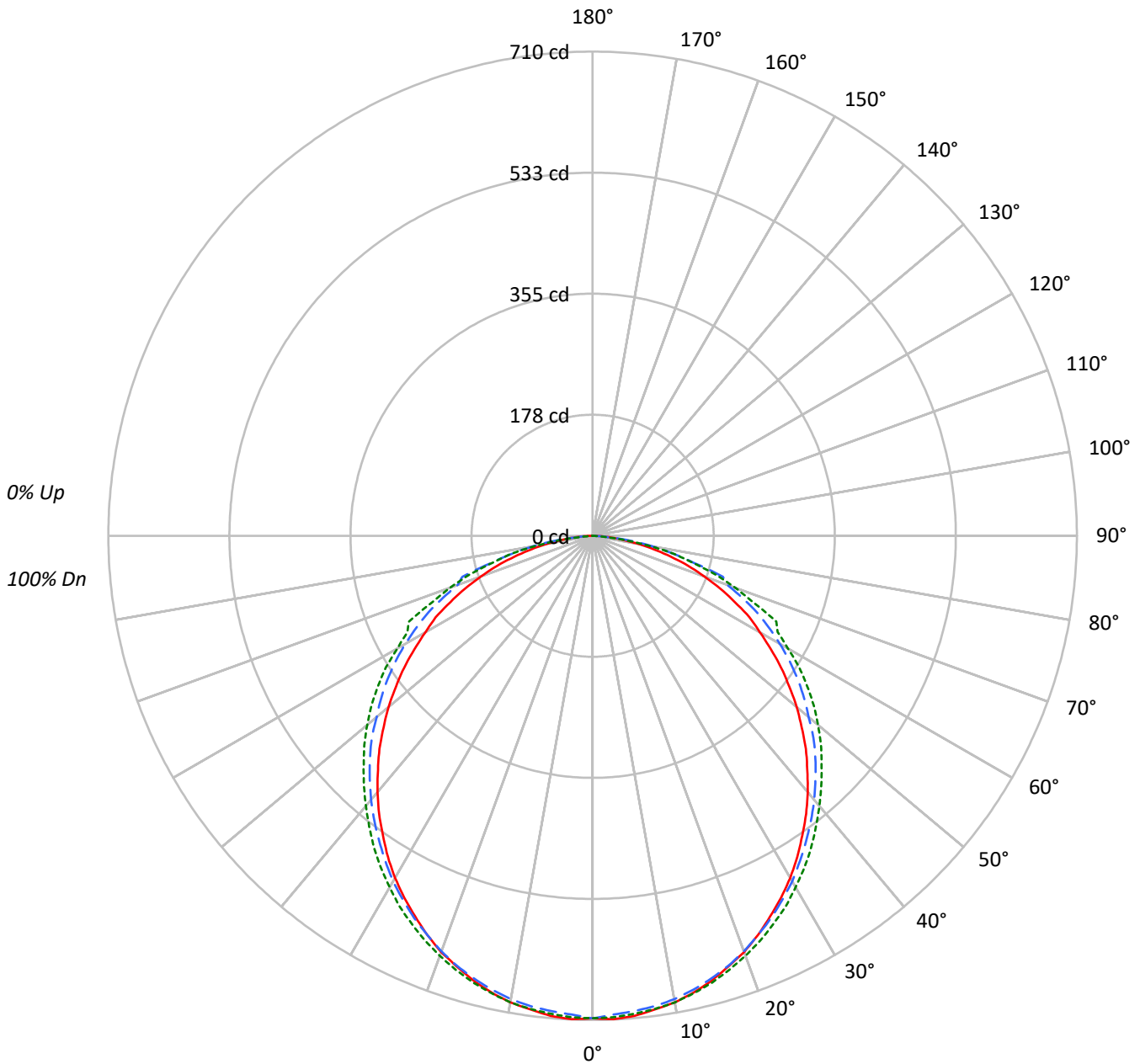
Lumens per Lamp: N/A
Luminaire Lumens: 2012.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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				
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°	1997	1997	1997
5°	2002	1983	1994
10°	1991	1977	1991
15°	1973	1964	1981
20°	1951	1948	1968
25°	1918	1927	1955
30°	1888	1907	1940
35°	1847	1881	1925
40°	1807	1862	1905
45°	1765	1844	1895
50°	1716	1816	1894
55°	1661	1807	1889
60°	1599	1788	1866
65°	1536	1773	1984
70°	1434	1735	1833
75°	1291	1680	1647
80°	1091	1443	1364
85°	800	703	256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	3.3
10°-20°	190.5	9.5
20°-30°	286.3	14.2
30°-40°	342.5	17.0
40°-50°	355.1	17.6
50°-60°	325.6	16.2
60°-70°	259.0	12.9
70°-80°	153.9	7.6
80°-90°	32.3	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°	543.6	27.0
0°-40°	886.1	44.0
0°-60°	1566.8	77.9
0°-90°	2012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	707	705	700	705	704	67
15°	675	674	672	678	678	190
25°	616	617	619	628	628	284
35°	536	539	546	557	559	336
45°	442	449	462	472	475	340
55°	338	349	367	382	384	301
65°	230	244	266	276	297	228
75°	118	135	154	153	151	126
85°	25	31	22	12	8	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	707.6	707.6	707.6	707.6	707.6
2.5°	709.6	707.6	702.7	707.6	706.6
5°	706.6	704.7	699.7	704.7	703.7
7.5°	700.7	699.7	695.8	700.7	699.7
10°	694.8	692.8	689.9	694.8	694.8
12.5°	685.9	683.9	682.0	687.9	686.9
15°	675.1	674.1	672.1	678.0	678.0
17.5°	662.2	662.2	661.2	667.2	667.2
20°	649.4	648.4	648.4	655.3	655.3
22.5°	633.6	633.6	633.6	642.5	642.5
25°	615.8	616.8	618.8	627.7	627.7
27.5°	598.1	600.1	602.0	610.9	612.9
30°	579.3	580.3	585.2	594.1	595.1
32.5°	558.6	560.6	565.5	575.4	577.4
35°	535.9	538.9	545.8	556.6	558.6
37.5°	514.2	518.1	526.0	536.9	537.9
40°	490.5	495.4	505.3	515.2	517.1
42.5°	465.8	471.8	483.6	494.5	496.4
45°	442.1	449.1	461.9	471.8	474.7
47.5°	415.5	423.4	439.2	451.0	454.0
50°	390.8	398.7	413.5	428.3	431.3
52.5°	363.2	374.0	390.8	405.6	408.6
55°	337.5	349.4	367.1	381.9	383.9
57.5°	309.9	322.7	342.5	356.3	359.2
60°	283.2	297.1	316.8	329.6	330.6
62.5°	259.6	271.4	291.1	303.0	305.9
65°	230.0	243.8	265.5	276.3	297.1
67.5°	202.3	216.1	236.9	273.4	253.6
70°	173.7	189.5	210.2	220.1	222.1
72.5°	147.1	162.8	200.3	189.5	188.5
75°	118.4	135.2	154.0	153.0	151.0
77.5°	91.8	109.5	120.4	121.4	121.4
80°	67.1	88.8	88.8	88.8	83.9
82.5°	43.4	57.2	57.2	49.3	44.4
85°	24.7	30.6	21.7	11.8	7.9
87.5°	8.9	6.9	2.0	2.0	1.0
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)