

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: P701533

Luminaire Tested: **RX-WO-20LB2750-UNV-14_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701533
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_3000K
Description: 1X4 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

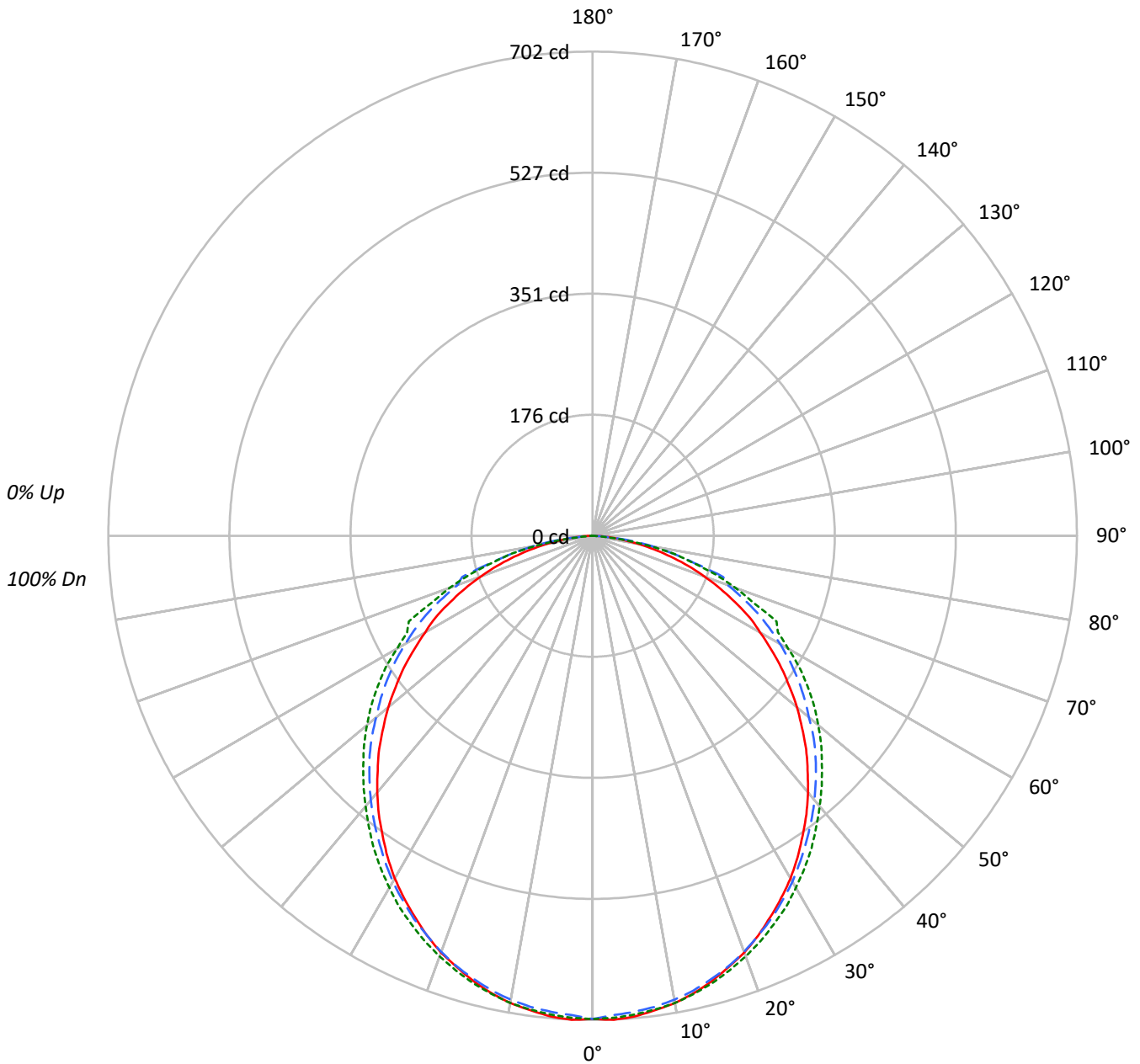
Lumens per Lamp: N/A
Luminaire Lumens: 1992.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): NR
Input Current (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	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°	1978	1978	1978
5°	1982	1963	1974
10°	1972	1958	1972
15°	1953	1944	1962
20°	1931	1928	1949
25°	1899	1908	1935
30°	1870	1888	1920
35°	1828	1862	1906
40°	1789	1843	1887
45°	1747	1825	1876
50°	1699	1798	1875
55°	1645	1789	1871
60°	1583	1771	1848
65°	1521	1755	1964
70°	1420	1717	1815
75°	1279	1662	1630
80°	1079	1429	1351
85°	790	696	253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	3.3
10°-20°	188.6	9.5
20°-30°	283.5	14.2
30°-40°	339.1	17.0
40°-50°	351.6	17.6
50°-60°	322.4	16.2
60°-70°	256.4	12.9
70°-80°	152.4	7.7
80°-90°	32.0	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°	538.2	27.0
0°-40°	877.3	44.0
0°-60°	1551.2	77.9
0°-90°	1992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	701	701	701	701	701	
5°	700	698	693	698	697	66
15°	668	667	665	671	671	188
25°	610	611	613	621	621	281
35°	531	534	540	551	553	332
45°	438	445	457	467	470	337
55°	334	346	364	378	380	298
65°	228	241	263	274	294	225
75°	117	134	152	152	150	125
85°	24	30	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°	700.6	700.6	700.6	700.6	700.6
2.5°	702.5	700.6	695.7	700.6	699.6
5°	699.6	697.7	692.8	697.7	696.7
7.5°	693.8	692.8	688.9	693.8	692.8
10°	687.9	685.9	683.0	687.9	687.9
12.5°	679.1	677.1	675.2	681.0	680.1
15°	668.3	667.4	665.4	671.3	671.3
17.5°	655.6	655.6	654.7	660.5	660.5
20°	642.9	642.0	642.0	648.8	648.8
22.5°	627.3	627.3	627.3	636.1	636.1
25°	609.7	610.7	612.7	621.4	621.4
27.5°	592.1	594.1	596.0	604.8	606.8
30°	573.6	574.5	579.4	588.2	589.2
32.5°	553.0	555.0	559.9	569.7	571.6
35°	530.6	533.5	540.3	551.1	553.0
37.5°	509.1	513.0	520.8	531.6	532.5
40°	485.6	490.5	500.3	510.1	512.0
42.5°	461.2	467.1	478.8	489.5	491.5
45°	437.7	444.6	457.3	467.1	470.0
47.5°	411.4	419.2	434.8	446.5	449.5
50°	386.9	394.8	409.4	424.1	427.0
52.5°	359.6	370.3	386.9	401.6	404.5
55°	334.2	345.9	363.5	378.1	380.1
57.5°	306.8	319.5	339.1	352.7	355.7
60°	280.4	294.1	313.7	326.4	327.3
62.5°	257.0	268.7	288.2	300.0	302.9
65°	227.7	241.3	262.8	273.6	294.1
67.5°	200.3	214.0	234.5	270.7	251.1
70°	172.0	187.6	208.1	217.9	219.9
72.5°	145.6	161.2	198.4	187.6	186.6
75°	117.3	133.9	152.4	151.5	149.5
77.5°	90.9	108.5	119.2	120.2	120.2
80°	66.4	87.9	87.9	87.9	83.1
82.5°	43.0	56.7	56.7	48.9	44.0
85°	24.4	30.3	21.5	11.7	7.8
87.5°	8.8	6.8	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)