

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: P701572

Luminaire Tested: **RX-WO-20HB2750-UNV-22_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P302127)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-20HB2750-UNV-22_2700K
Description: 2X2 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

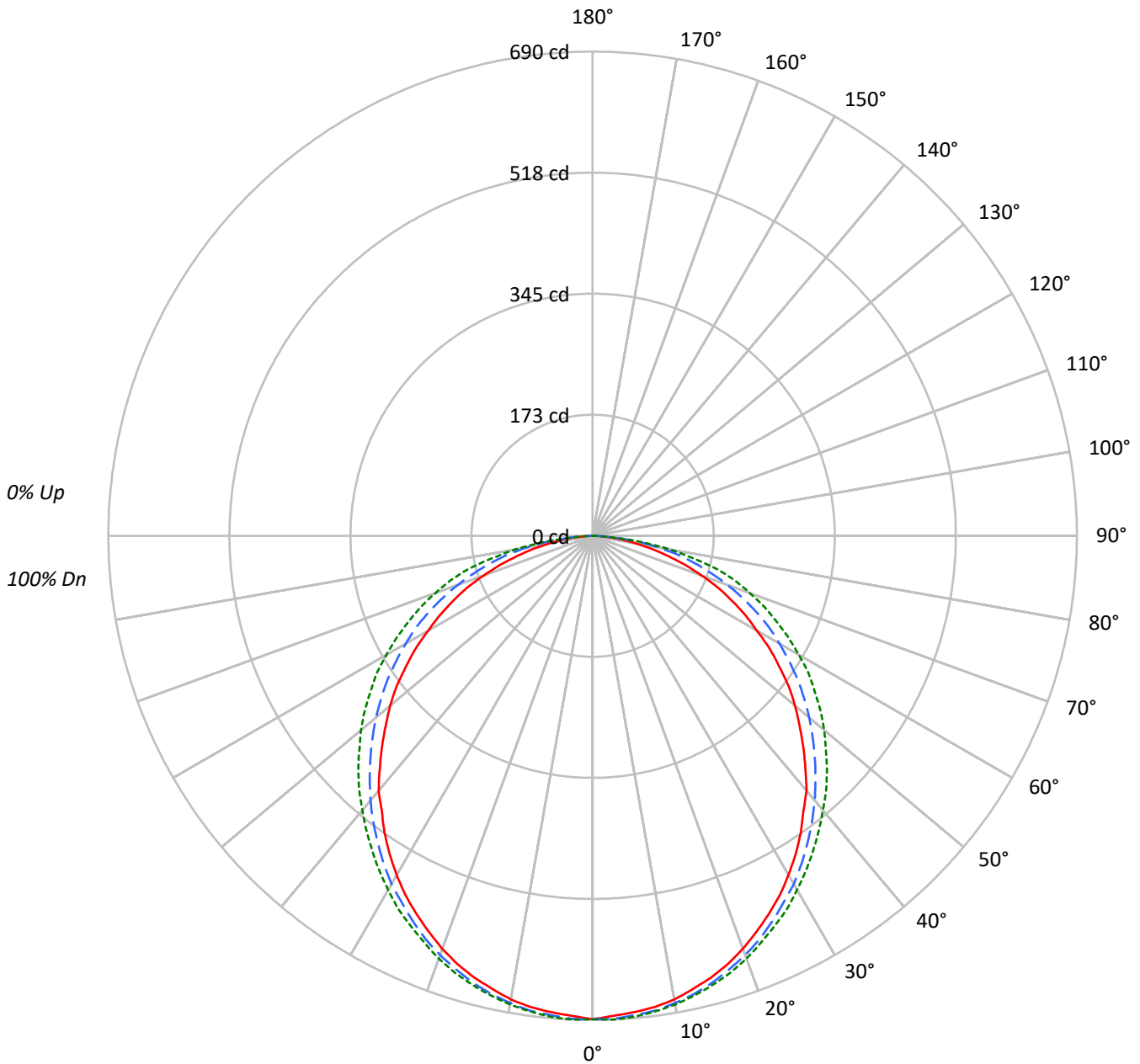
Lumens per Lamp: N/A
Luminaire Lumens: 1975.0 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69								
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	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	68	55	46	40	53	45	40	51	45	39	50	44	39	37								
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26								
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1955	1955	1955
5°	1941	1953	1960
10°	1933	1948	1954
15°	1915	1936	1946
20°	1891	1920	1936
25°	1861	1897	1921
30°	1829	1878	1909
35°	1790	1849	1897
40°	1757	1824	1891
45°	1702	1796	1894
50°	1662	1779	1901
55°	1604	1762	1910
60°	1532	1744	1925
65°	1470	1728	1942
70°	1367	1693	1975
75°	1213	1655	2016
80°	1025	1546	1824
85°	726	1071	1039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	3.3
10°-20°	185.6	9.4
20°-30°	278.9	14.1
30°-40°	333.7	16.9
40°-50°	346.0	17.5
50°-60°	318.2	16.1
60°-70°	252.6	12.8
70°-80°	156.0	7.9
80°-90°	38.7	2.0
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°	529.7	26.8
0°-40°	863.4	43.7
0°-60°	1527.7	77.4
0°-90°	1975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	689	689	689	689	689	
5°	682	684	686	688	688	65
15°	652	654	659	662	662	184
25°	594	599	606	612	614	274
35°	517	522	534	544	548	323
45°	424	432	448	466	472	328
55°	324	333	356	381	386	290
65°	219	229	257	282	289	217
75°	111	126	151	174	184	118
85°	22	29	33	33	32	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	689.0	689.0	689.0	689.0	689.0
2.5°	684.7	685.8	689.0	690.1	690.1
5°	681.6	683.7	685.8	688.0	688.0
7.5°	677.3	679.5	682.6	683.7	683.7
10°	671.0	673.1	676.2	678.3	678.3
12.5°	661.3	664.6	668.8	671.0	671.0
15°	651.8	653.9	659.2	662.4	662.4
17.5°	640.1	642.2	647.6	651.8	652.8
20°	626.3	628.4	635.8	640.1	641.2
22.5°	610.4	613.5	622.0	626.3	627.3
25°	594.4	598.6	606.0	612.4	613.5
27.5°	577.4	581.6	589.1	597.6	599.6
30°	558.2	562.5	573.1	580.6	582.7
32.5°	538.1	543.3	554.0	563.6	565.7
35°	516.8	522.1	533.8	544.4	547.6
37.5°	493.4	500.8	513.5	525.3	529.5
40°	474.2	478.5	492.3	506.2	510.4
42.5°	448.7	455.1	470.0	485.9	492.3
45°	424.2	431.7	447.6	465.7	472.1
47.5°	399.8	407.2	425.3	444.5	450.8
50°	376.4	382.8	402.9	424.2	430.6
52.5°	352.0	358.4	379.6	402.9	409.3
55°	324.3	332.8	356.2	380.7	386.0
57.5°	298.8	307.3	331.7	355.1	364.7
60°	270.0	280.7	307.3	330.7	339.2
62.5°	245.6	254.1	283.9	307.3	314.7
65°	219.0	228.6	257.3	281.8	289.2
67.5°	193.6	203.1	230.7	255.2	264.8
70°	164.8	175.4	204.1	228.6	238.1
72.5°	138.3	151.0	176.5	202.1	212.6
75°	110.6	125.5	151.0	174.4	183.9
77.5°	86.1	98.9	123.4	139.3	144.6
80°	62.7	75.5	94.6	105.2	111.6
82.5°	42.5	49.9	64.8	72.3	72.3
85°	22.3	28.7	32.9	32.9	31.9
87.5°	7.4	8.5	6.4	3.1	2.1
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)