

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: P701577

Luminaire Tested: **RX-WO-24HB2750-UNV-22_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701577
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-24HB2750-UNV-22_2700K
Description: 2X2 2400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

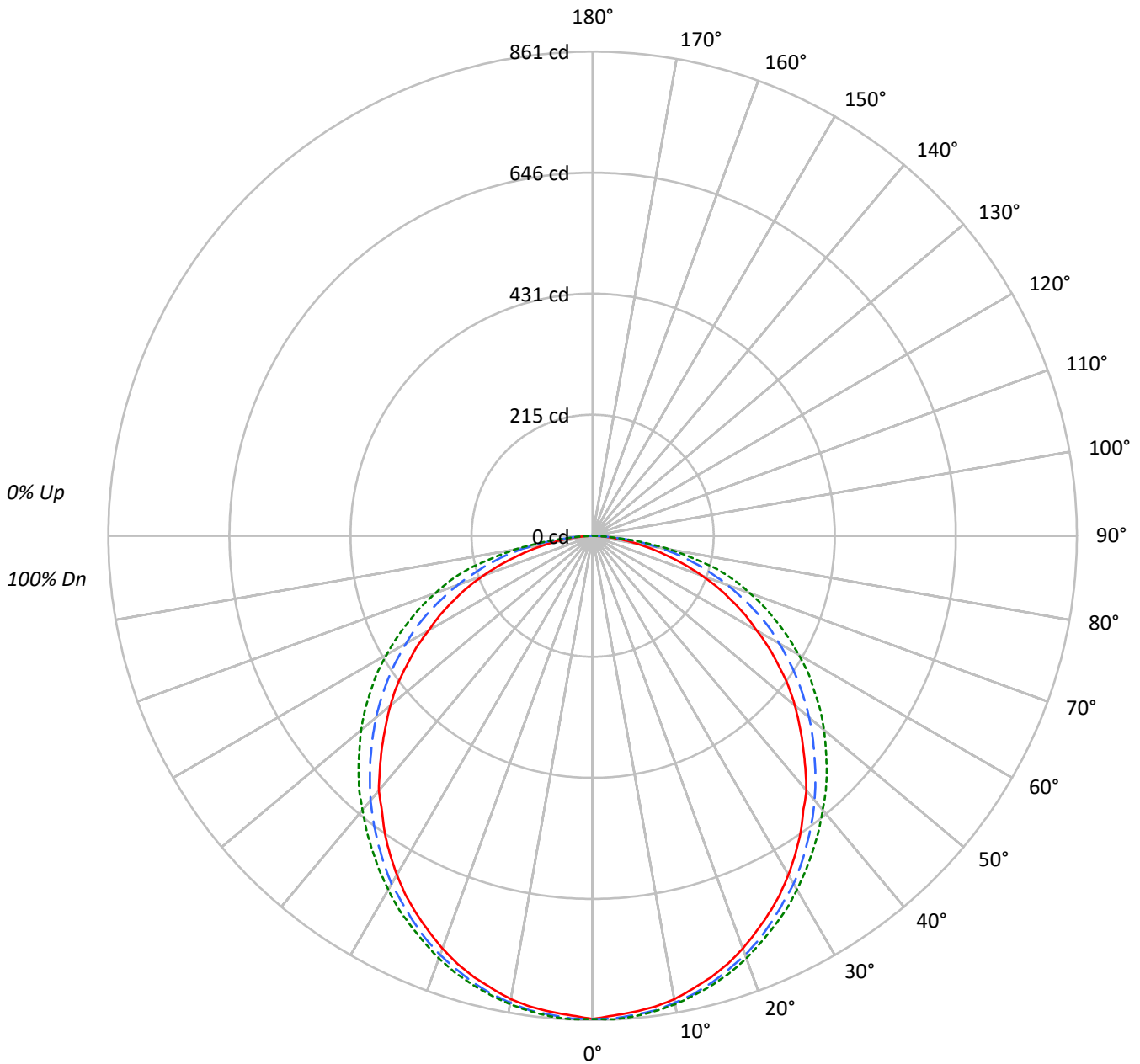
Lumens per Lamp: N/A
Luminaire Lumens: 2463.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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										
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°	2438	2438	2438
5°	2421	2436	2444
10°	2411	2430	2437
15°	2388	2415	2427
20°	2358	2395	2415
25°	2321	2366	2395
30°	2281	2342	2381
35°	2233	2306	2366
40°	2190	2274	2358
45°	2123	2240	2362
50°	2072	2218	2371
55°	2001	2197	2381
60°	1911	2175	2401
65°	1834	2155	2422
70°	1705	2112	2464
75°	1512	2064	2514
80°	1278	1928	2275
85°	908	1338	1296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	3.3
10°-20°	231.5	9.4
20°-30°	347.8	14.1
30°-40°	416.2	16.9
40°-50°	431.5	17.5
50°-60°	396.9	16.1
60°-70°	315.0	12.8
70°-80°	194.6	7.9
80°-90°	48.3	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°	660.6	26.8
0°-40°	1076.7	43.7
0°-60°	1905.1	77.3
0°-90°	2463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	850	853	855	858	858	81
15°	813	816	822	826	826	229
25°	741	746	756	764	765	342
35°	644	651	666	679	683	403
45°	529	538	558	581	589	409
55°	404	415	444	475	481	362
65°	273	285	321	351	361	270
75°	138	156	188	217	229	147
85°	28	36	41	41	40	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	859.3	859.3	859.3	859.3	859.3
2.5°	853.9	855.2	859.3	860.6	860.6
5°	850.0	852.6	855.2	858.0	858.0
7.5°	844.6	847.4	851.3	852.6	852.6
10°	836.8	839.4	843.3	845.9	845.9
12.5°	824.7	828.8	834.0	836.8	836.8
15°	812.8	815.5	822.1	826.1	826.1
17.5°	798.3	800.9	807.6	812.8	814.1
20°	781.0	783.7	793.0	798.3	799.6
22.5°	761.2	765.1	775.7	781.0	782.4
25°	741.3	746.5	755.8	763.8	765.1
27.5°	720.1	725.3	734.6	745.2	747.8
30°	696.1	701.5	714.7	724.0	726.6
32.5°	671.0	677.6	690.9	702.8	705.4
35°	644.5	651.1	665.7	678.9	682.9
37.5°	615.3	624.6	640.4	655.1	660.3
40°	591.3	596.7	614.0	631.2	636.5
42.5°	559.6	567.5	586.1	606.0	614.0
45°	529.1	538.4	558.2	580.7	588.7
47.5°	498.6	507.9	530.4	554.3	562.2
50°	469.4	477.4	502.5	529.1	537.1
52.5°	438.9	446.9	473.3	502.5	510.5
55°	404.4	415.0	444.2	474.8	481.3
57.5°	372.6	383.2	413.7	442.9	454.8
60°	336.8	350.1	383.2	412.4	423.0
62.5°	306.3	316.9	354.0	383.2	392.5
65°	273.2	285.1	320.9	351.4	360.7
67.5°	241.4	253.3	287.7	318.3	330.2
70°	205.5	218.7	254.6	285.1	297.0
72.5°	172.4	188.3	220.1	252.0	265.2
75°	137.9	156.5	188.3	217.4	229.3
77.5°	107.4	123.4	153.9	173.7	180.3
80°	78.2	94.2	118.0	131.2	139.2
82.5°	53.0	62.3	80.9	90.1	90.1
85°	27.9	35.8	41.1	41.1	39.8
87.5°	9.3	10.6	8.0	3.9	2.6
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)