

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: P701641

Luminaire Tested: **RX-WO-30LB2750-UNV-24_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 8/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-30LB2750-UNV-24_5000K
Description: 2X4 3000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

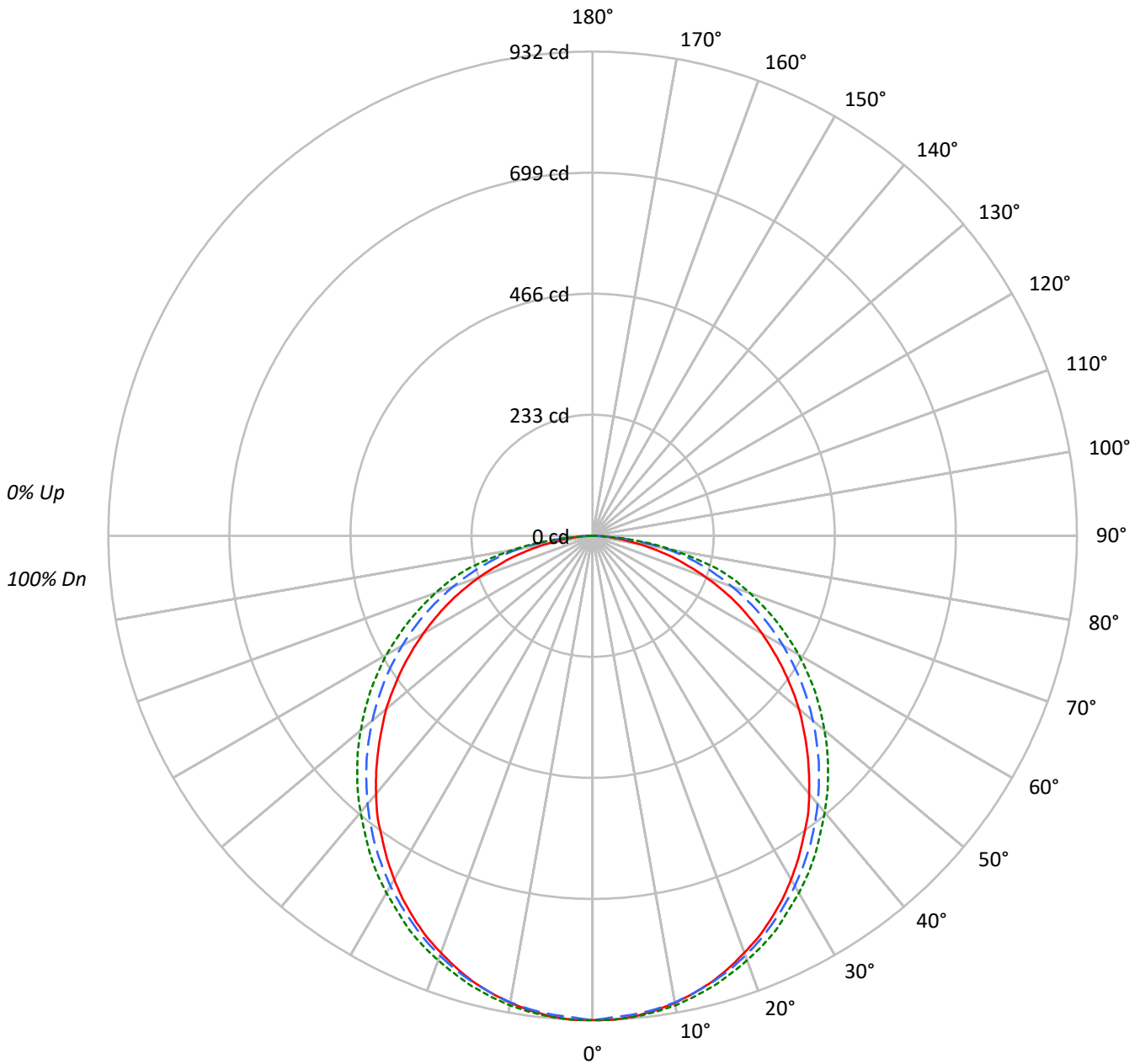
Lumens per Lamp: N/A
Luminaire Lumens: 2714.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68								
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57								
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	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	67	55	46	40	53	45	39	51	44	39	50	44	39	37								
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32								
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1316	1316	1316
5°	1315	1310	1317
10°	1308	1307	1315
15°	1299	1300	1311
20°	1282	1291	1306
25°	1266	1280	1302
30°	1245	1268	1294
35°	1219	1256	1288
40°	1195	1241	1280
45°	1165	1228	1279
50°	1138	1215	1279
55°	1102	1204	1285
60°	1062	1196	1294
65°	1020	1185	1304
70°	952	1176	1328
75°	867	1178	1369
80°	717	1165	1261
85°	549	926	894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	3.2
10°-20°	251.7	9.3
20°-30°	379.7	14.0
30°-40°	455.9	16.8
40°-50°	474.1	17.5
50°-60°	436.1	16.1
60°-70°	347.5	12.8
70°-80°	220.2	8.1
80°-90°	60.6	2.2
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°	719.6	26.5
0°-40°	1175.5	43.3
0°-60°	2085.7	76.8
0°-90°	2714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	928	928	925	930	930	88
15°	889	889	890	896	898	250
25°	813	817	822	834	836	375
35°	708	715	729	742	747	443
45°	584	596	616	635	641	450
55°	448	462	490	514	522	400
65°	305	321	355	382	391	301
75°	159	179	216	243	251	167
85°	34	48	57	56	55	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	932.4	932.4	932.4	932.4	932.4
2.5°	932.4	932.4	927.6	932.4	932.4
5°	928.5	928.5	924.6	929.5	929.5
7.5°	921.7	922.7	919.8	924.6	924.6
10°	913.0	914.0	912.0	917.9	917.9
12.5°	901.4	902.4	901.4	908.2	908.2
15°	888.8	888.8	889.8	896.5	897.5
17.5°	872.3	874.2	876.2	883.9	883.9
20°	853.9	856.8	859.7	869.4	869.4
22.5°	835.5	838.4	842.3	852.0	853.9
25°	813.2	817.1	821.9	833.5	836.4
27.5°	789.9	792.8	800.6	813.2	814.2
30°	763.8	768.6	778.3	790.9	793.8
32.5°	736.6	743.4	754.1	768.6	771.5
35°	707.5	715.3	728.9	742.4	747.3
37.5°	680.4	686.2	701.7	717.2	720.1
40°	648.4	657.1	673.6	691.1	694.9
42.5°	616.4	626.1	644.5	662.0	668.8
45°	583.5	596.1	615.5	634.8	640.7
47.5°	550.5	564.1	584.4	605.8	612.6
50°	518.5	531.1	553.4	575.7	582.5
52.5°	482.7	497.2	521.4	545.7	552.5
55°	447.8	462.3	489.5	513.7	522.4
57.5°	411.9	428.4	456.5	481.7	489.5
60°	376.1	393.5	423.6	448.8	458.4
62.5°	340.2	356.7	389.6	414.8	423.6
65°	305.3	320.8	354.7	381.9	390.6
67.5°	267.5	285.0	319.8	348.0	355.7
70°	230.7	248.1	285.0	314.0	321.8
72.5°	192.9	213.2	250.1	278.2	288.8
75°	159.0	179.3	216.1	243.3	251.0
77.5°	123.1	143.4	181.2	200.6	201.6
80°	88.2	111.5	143.4	151.2	155.1
82.5°	58.2	80.4	98.9	108.6	108.6
85°	33.9	48.5	57.2	56.2	55.2
87.5°	12.6	16.5	13.6	9.7	6.8
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)