

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: P701601

Luminaire Tested: **RX-WO-44HB2750-UNV-22_5000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701601
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-44HB2750-UNV-22_5000K
Description: 2X2 4400 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 5000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

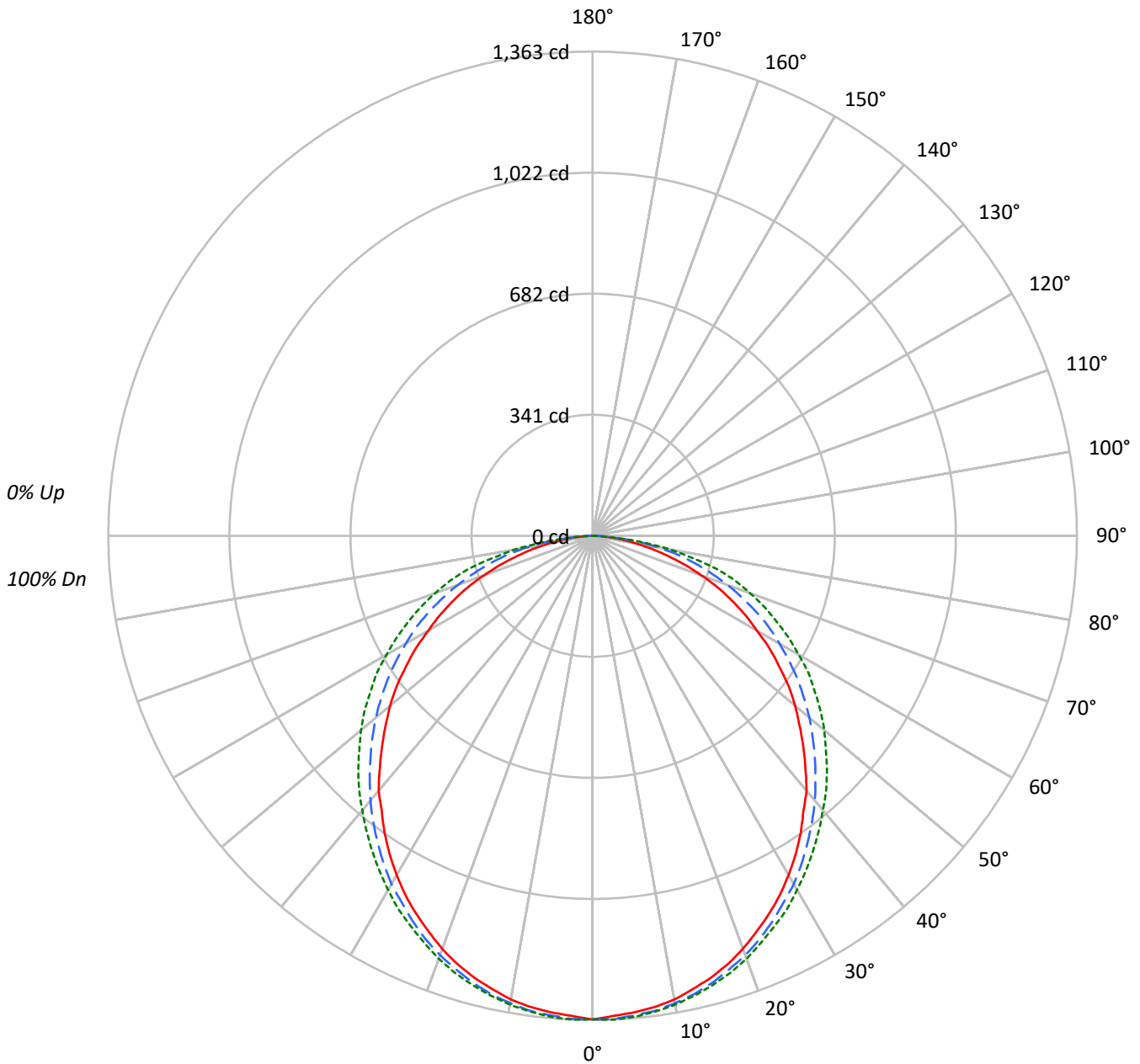
Lumens per Lamp: N/A
Luminaire Lumens: 3902.0 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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°	3863	3863	3863
5°	3836	3859	3872
10°	3820	3849	3862
15°	3783	3826	3844
20°	3737	3793	3825
25°	3677	3749	3795
30°	3614	3710	3772
35°	3537	3653	3748
40°	3470	3603	3735
45°	3364	3549	3743
50°	3283	3514	3756
55°	3170	3481	3772
60°	3028	3445	3803
65°	2906	3413	3836
70°	2701	3346	3903
75°	2396	3270	3983
80°	2025	3056	3603
85°	1436	2119	2051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	3.3
10°-20°	366.8	9.4
20°-30°	551.1	14.1
30°-40°	659.3	16.9
40°-50°	683.7	17.5
50°-60°	628.8	16.1
60°-70°	499.0	12.8
70°-80°	308.2	7.9
80°-90°	76.6	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°	1046.5	26.8
0°-40°	1705.8	43.7
0°-60°	3018.2	77.3
0°-90°	3902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1347	1351	1355	1359	1359	128
15°	1288	1292	1302	1309	1309	363
25°	1174	1183	1197	1210	1212	541
35°	1021	1032	1055	1076	1082	638
45°	838	853	884	920	933	647
55°	641	657	704	752	762	574
65°	433	452	508	557	571	428
75°	218	248	298	344	363	234
85°	44	57	65	65	63	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1361.3	1361.3	1361.3	1361.3	1361.3
2.5°	1352.8	1354.9	1361.3	1363.4	1363.4
5°	1346.6	1350.7	1354.9	1359.2	1359.2
7.5°	1338.1	1342.5	1348.7	1350.7	1350.7
10°	1325.7	1329.8	1336.0	1340.2	1340.2
12.5°	1306.6	1313.0	1321.3	1325.7	1325.7
15°	1287.7	1291.9	1302.5	1308.7	1308.7
17.5°	1264.7	1268.9	1279.4	1287.7	1289.8
20°	1237.4	1241.5	1256.2	1264.7	1266.8
22.5°	1205.9	1212.1	1228.9	1237.4	1239.4
25°	1174.4	1182.7	1197.4	1210.0	1212.1
27.5°	1140.8	1149.1	1163.8	1180.6	1184.7
30°	1102.9	1111.4	1132.3	1147.0	1151.1
32.5°	1063.1	1073.4	1094.6	1113.4	1117.6
35°	1021.0	1031.6	1054.6	1075.5	1081.9
37.5°	974.8	989.5	1014.6	1037.8	1046.1
40°	936.8	945.3	972.7	1000.1	1008.3
42.5°	886.5	899.1	928.5	960.1	972.7
45°	838.2	852.9	884.4	920.0	932.7
47.5°	789.9	804.6	840.3	878.2	890.6
50°	743.7	756.3	796.1	838.2	850.8
52.5°	695.4	708.0	749.9	796.1	808.7
55°	640.7	657.4	703.7	752.2	762.5
57.5°	590.3	607.1	655.4	701.6	720.5
60°	533.5	554.6	607.1	653.3	670.1
62.5°	485.2	502.0	560.9	607.1	621.8
65°	432.8	451.6	508.4	556.7	571.4
67.5°	382.4	401.3	455.8	504.3	523.1
70°	325.6	346.5	403.3	451.6	470.5
72.5°	273.2	298.3	348.6	399.2	420.1
75°	218.5	247.9	298.3	344.5	363.3
77.5°	170.2	195.5	243.7	275.2	285.6
80°	123.9	149.2	187.0	207.9	220.5
82.5°	83.9	98.7	128.1	142.8	142.8
85°	44.1	56.8	65.1	65.1	63.0
87.5°	14.7	16.8	12.6	6.2	4.1
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)