

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: P701642

Luminaire Tested: **RX-WO-35HB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701642
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-35HB2750-UNV-24_2700K
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 2700K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

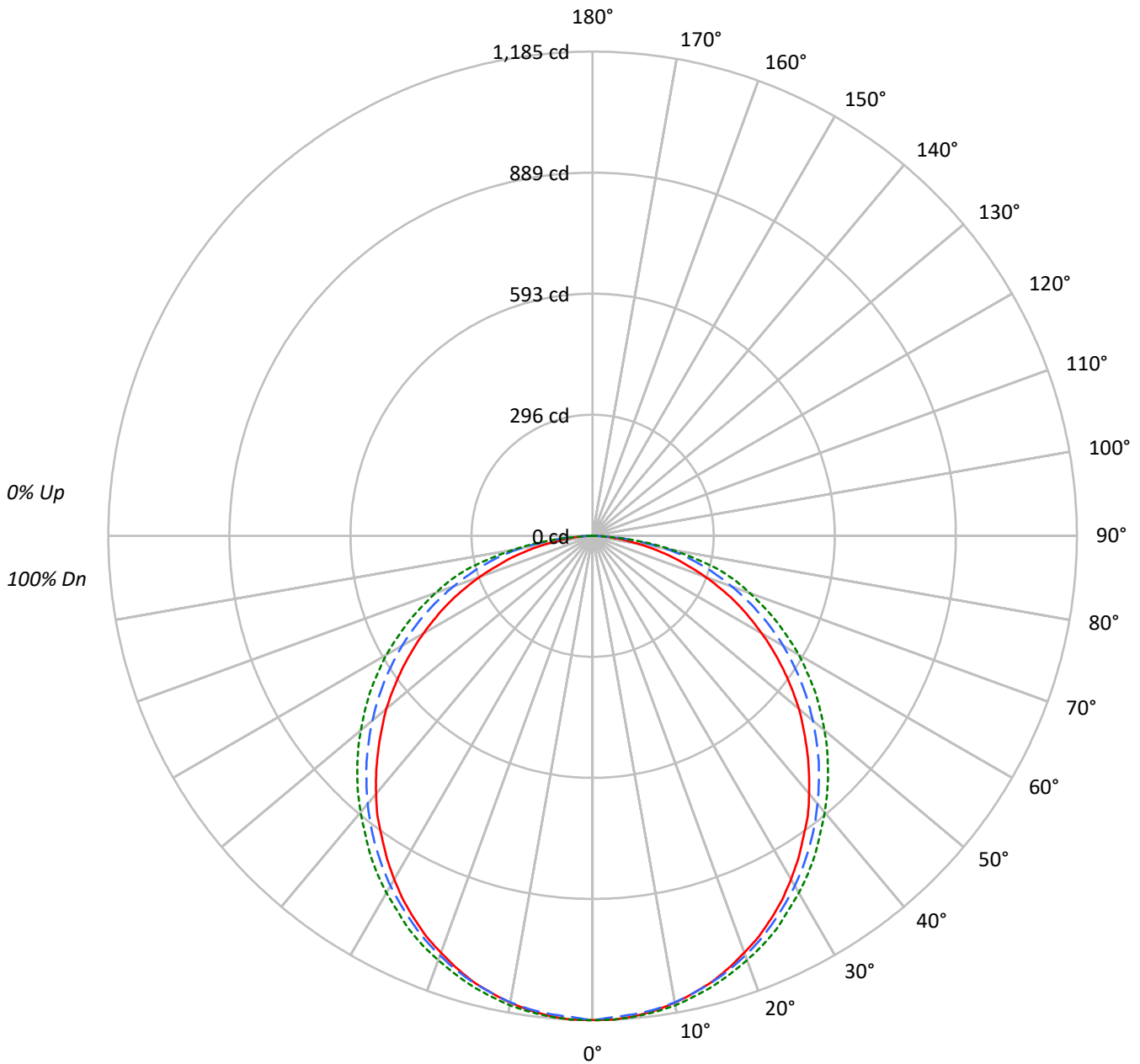
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3450.0 lumens
Efficiency: N/A
Efficacy: 132.7 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): 26
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									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°	1673	1673	1673
5°	1672	1665	1674
10°	1663	1662	1672
15°	1651	1653	1667
20°	1630	1641	1660
25°	1610	1627	1656
30°	1582	1612	1645
35°	1550	1596	1637
40°	1519	1578	1628
45°	1480	1562	1625
50°	1447	1545	1626
55°	1401	1531	1634
60°	1349	1520	1645
65°	1296	1506	1658
70°	1210	1495	1688
75°	1102	1498	1740
80°	911	1482	1602
85°	698	1177	1137



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	3.2
10°-20°	320.0	9.3
20°-30°	482.7	14.0
30°-40°	579.5	16.8
40°-50°	602.7	17.5
50°-60°	554.3	16.1
60°-70°	441.8	12.8
70°-80°	279.9	8.1
80°-90°	77.0	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°	914.8	26.5
0°-40°	1494.3	43.3
0°-60°	2651.3	76.8
0°-90°	3450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3450.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1180	1180	1175	1182	1182	112
15°	1130	1130	1131	1140	1141	318
25°	1034	1039	1045	1060	1063	476
35°	899	909	926	944	950	563
45°	742	758	782	807	814	573
55°	569	588	622	653	664	509
65°	388	408	451	485	496	383
75°	202	228	275	309	319	213
85°	43	62	73	72	70	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1185.3	1185.3	1185.3	1185.3	1185.3
2.5°	1185.3	1185.3	1179.1	1185.3	1185.3
5°	1180.3	1180.3	1175.4	1181.6	1181.6
7.5°	1171.7	1172.9	1169.2	1175.4	1175.4
10°	1160.6	1161.8	1159.4	1166.8	1166.8
12.5°	1145.8	1147.1	1145.8	1154.5	1154.5
15°	1129.8	1129.8	1131.0	1139.7	1140.9
17.5°	1108.9	1111.3	1113.8	1123.7	1123.7
20°	1085.5	1089.2	1092.9	1105.2	1105.2
22.5°	1062.1	1065.7	1070.7	1083.0	1085.5
25°	1033.7	1038.6	1044.8	1059.6	1063.3
27.5°	1004.1	1007.8	1017.7	1033.7	1034.9
30°	970.9	977.0	989.4	1005.4	1009.1
32.5°	936.4	945.0	958.6	977.0	980.7
35°	899.4	909.3	926.5	943.8	949.9
37.5°	864.9	872.3	892.0	911.7	915.4
40°	824.3	835.3	856.3	878.5	883.4
42.5°	783.6	795.9	819.3	841.5	850.1
45°	741.7	757.7	782.4	807.0	814.4
47.5°	699.8	717.1	742.9	770.0	778.7
50°	659.2	675.2	703.5	731.9	740.5
52.5°	613.6	632.1	662.9	693.7	702.3
55°	569.2	587.7	622.2	653.0	664.1
57.5°	523.6	544.6	580.3	612.3	622.2
60°	478.0	500.2	538.4	570.5	582.8
62.5°	432.5	453.4	495.3	527.3	538.4
65°	388.1	407.8	450.9	485.4	496.5
67.5°	340.1	362.2	406.6	442.3	452.2
70°	293.2	315.4	362.2	399.2	409.0
72.5°	245.2	271.1	317.9	353.6	367.2
75°	202.1	227.9	274.8	309.3	319.1
77.5°	156.5	182.3	230.4	255.0	256.3
80°	112.1	141.7	182.3	192.2	197.1
82.5°	73.9	102.3	125.7	138.0	138.0
85°	43.1	61.6	72.7	71.5	70.2
87.5°	16.0	20.9	17.2	12.3	8.6
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)