

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: P701647

Luminaire Tested: **RX-WO-35LB2750-UNV-24_2700K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701647
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-35LB2750-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

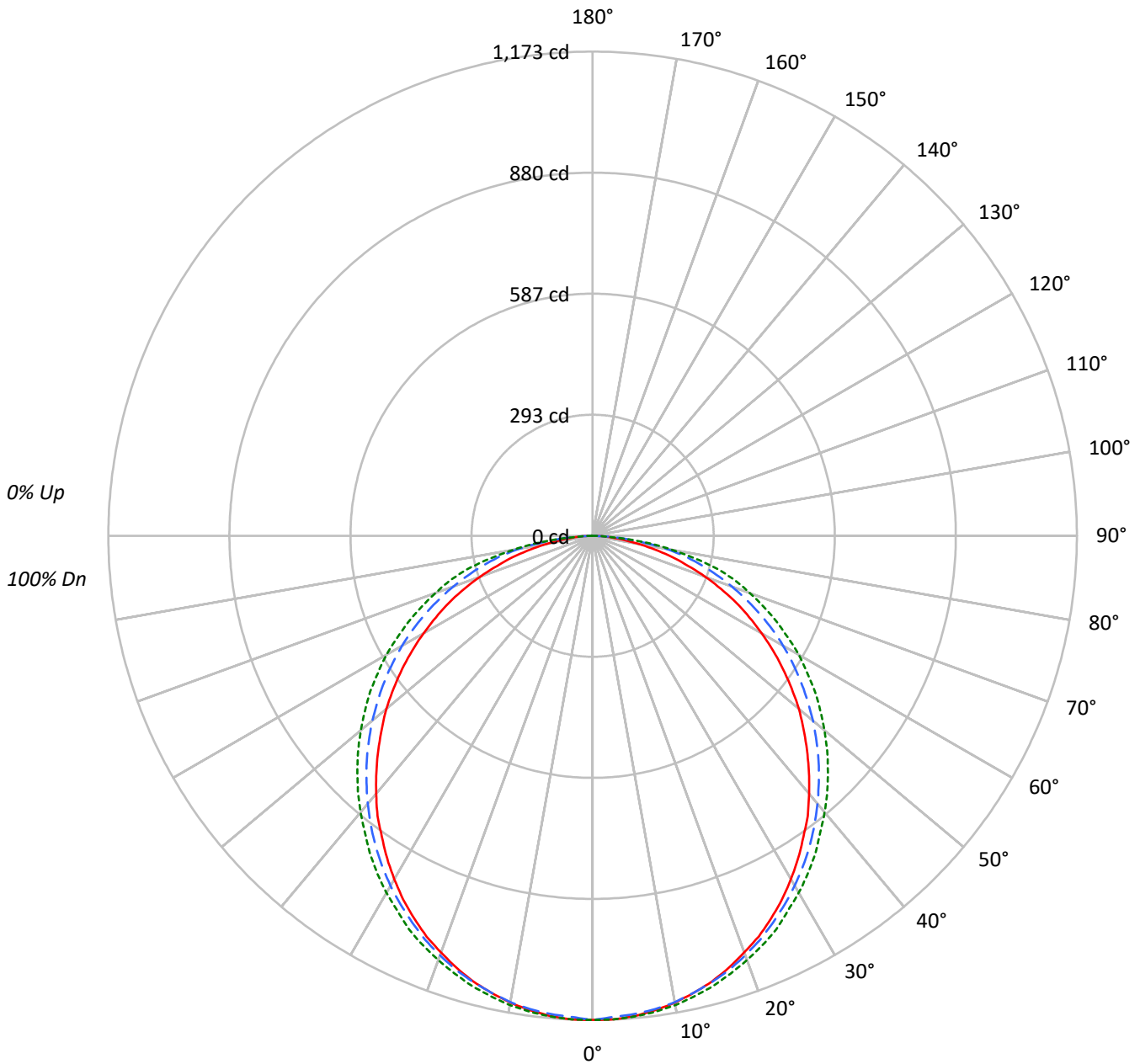
Lumens per Lamp: N/A
Luminaire Lumens: 3414.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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

TEST NUMBER: P701647

CATALOG NUMBER: RX-WO-35LB2750-UNV-24_2700K

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°	1655	1655	1655
5°	1655	1648	1656
10°	1646	1644	1655
15°	1634	1635	1650
20°	1613	1624	1642
25°	1593	1610	1639
30°	1566	1595	1627
35°	1533	1580	1620
40°	1503	1561	1611
45°	1465	1545	1609
50°	1432	1529	1609
55°	1386	1515	1617
60°	1335	1504	1628
65°	1283	1490	1641
70°	1198	1479	1670
75°	1091	1483	1722
80°	901	1466	1586
85°	691	1164	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	3.2
10°-20°	316.6	9.3
20°-30°	477.7	14.0
30°-40°	573.5	16.8
40°-50°	596.4	17.5
50°-60°	548.5	16.1
60°-70°	437.2	12.8
70°-80°	277.0	8.1
80°-90°	76.2	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°	905.2	26.5
0°-40°	1478.7	43.3
0°-60°	2623.6	76.8
0°-90°	3414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1173	1173	1173	1173	1173	
5°	1168	1168	1163	1169	1169	111
15°	1118	1118	1119	1128	1129	315
25°	1023	1028	1034	1048	1052	471
35°	890	900	917	934	940	557
45°	734	750	774	799	806	567
55°	563	582	616	646	657	503
65°	384	404	446	480	491	379
75°	200	226	272	306	316	210
85°	43	61	72	71	70	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1172.9	1172.9	1172.9	1172.9	1172.9
2.5°	1172.9	1172.9	1166.8	1172.9	1172.9
5°	1168.0	1168.0	1163.1	1169.2	1169.2
7.5°	1159.5	1160.7	1157.0	1163.1	1163.1
10°	1148.5	1149.7	1147.3	1154.6	1154.6
12.5°	1133.9	1135.1	1133.9	1142.4	1142.4
15°	1118.0	1118.0	1119.2	1127.8	1129.0
17.5°	1097.3	1099.7	1102.2	1111.9	1111.9
20°	1074.1	1077.8	1081.4	1093.6	1093.6
22.5°	1051.0	1054.6	1059.5	1071.7	1074.1
25°	1022.9	1027.8	1033.9	1048.5	1052.2
27.5°	993.7	997.3	1007.1	1022.9	1024.1
30°	960.7	966.8	979.0	994.9	998.5
32.5°	926.6	935.1	948.6	966.8	970.5
35°	890.0	899.8	916.9	933.9	940.0
37.5°	855.9	863.2	882.7	902.2	905.9
40°	815.7	826.6	847.4	869.3	874.2
42.5°	775.4	787.6	810.8	832.7	841.3
45°	734.0	749.8	774.2	798.6	805.9
47.5°	692.5	709.6	735.2	762.0	770.5
50°	652.3	668.1	696.2	724.2	732.8
52.5°	607.2	625.5	655.9	686.4	695.0
55°	563.3	581.6	615.7	646.2	657.2
57.5°	518.2	538.9	574.3	606.0	615.7
60°	473.1	495.0	532.8	564.5	576.7
62.5°	427.9	448.7	490.1	521.8	532.8
65°	384.1	403.6	446.2	480.4	491.3
67.5°	336.5	358.5	402.3	437.7	447.5
70°	290.2	312.1	358.5	395.0	404.8
72.5°	242.6	268.2	314.6	349.9	363.3
75°	200.0	225.6	271.9	306.0	315.8
77.5°	154.8	180.4	228.0	252.4	253.6
80°	110.9	140.2	180.4	190.2	195.1
82.5°	73.2	101.2	124.4	136.6	136.6
85°	42.7	61.0	71.9	70.7	69.5
87.5°	15.8	20.7	17.1	12.2	8.5
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)