

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: P701649

Luminaire Tested: **RX-WO-35LB2750-UNV-24_3500K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701649
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_3500K
Description: 2X4 3500 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3500K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

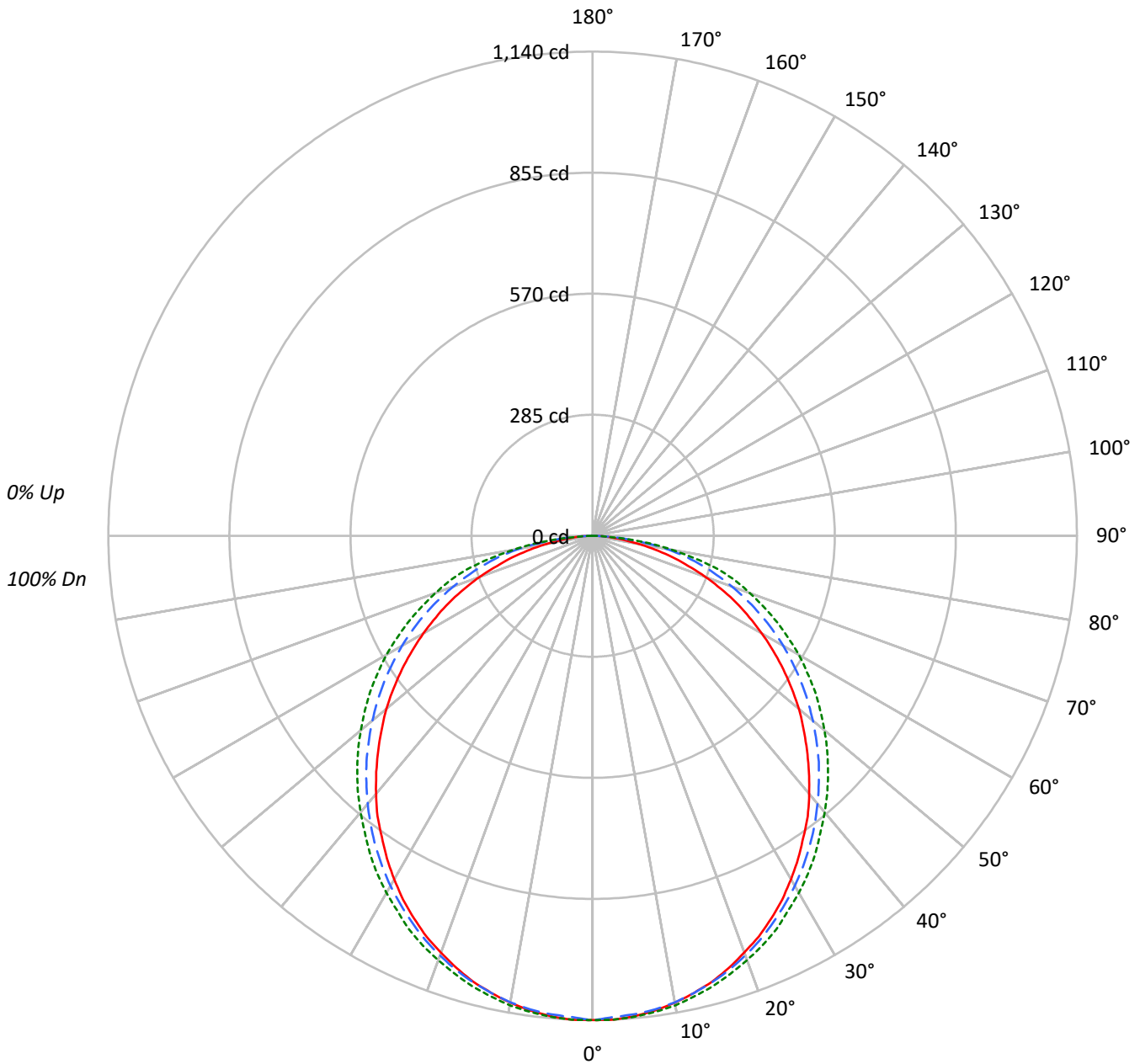
Lumens per Lamp: N/A
Luminaire Lumens: 3319.0 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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°	1609	1609	1609
5°	1609	1602	1610
10°	1600	1598	1609
15°	1588	1590	1604
20°	1568	1579	1597
25°	1549	1565	1593
30°	1522	1551	1582
35°	1491	1536	1575
40°	1461	1518	1566
45°	1424	1502	1564
50°	1392	1486	1564
55°	1347	1473	1572
60°	1298	1462	1582
65°	1247	1449	1595
70°	1164	1438	1624
75°	1060	1441	1674
80°	877	1426	1541
85°	672	1132	1095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.2
10°-20°	307.8	9.3
20°-30°	464.4	14.0
30°-40°	557.5	16.8
40°-50°	579.8	17.5
50°-60°	533.3	16.1
60°-70°	425.0	12.8
70°-80°	269.3	8.1
80°-90°	74.1	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°	880.0	26.5
0°-40°	1437.6	43.3
0°-60°	2550.6	76.8
0°-90°	3319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1136	1136	1131	1137	1137	108
15°	1087	1087	1088	1096	1098	306
25°	994	999	1005	1019	1023	458
35°	865	875	891	908	914	542
45°	714	729	753	776	784	551
55°	548	565	599	628	639	489
65°	373	392	434	467	478	368
75°	194	219	264	298	307	205
85°	42	59	70	69	68	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1140.3	1140.3	1140.3	1140.3	1140.3
2.5°	1140.3	1140.3	1134.3	1140.3	1140.3
5°	1135.5	1135.5	1130.8	1136.7	1136.7
7.5°	1127.2	1128.4	1124.8	1130.8	1130.8
10°	1116.5	1117.7	1115.4	1122.5	1122.5
12.5°	1102.3	1103.5	1102.3	1110.6	1110.6
15°	1086.9	1086.9	1088.1	1096.4	1097.6
17.5°	1066.8	1069.1	1071.5	1081.0	1081.0
20°	1044.2	1047.8	1051.4	1063.2	1063.2
22.5°	1021.7	1025.3	1030.0	1041.9	1044.2
25°	994.5	999.2	1005.1	1019.4	1022.9
27.5°	966.0	969.6	979.1	994.5	995.6
30°	934.0	939.9	951.8	967.2	970.8
32.5°	900.8	909.1	922.2	939.9	943.5
35°	865.3	874.7	891.3	907.9	913.9
37.5°	832.1	839.2	858.2	877.1	880.7
40°	793.0	803.6	823.8	845.1	849.9
42.5°	753.8	765.7	788.2	809.6	817.9
45°	713.5	729.0	752.7	776.4	783.5
47.5°	673.2	689.8	714.7	740.8	749.1
50°	634.1	649.5	676.8	704.1	712.4
52.5°	590.3	608.1	637.7	667.3	675.6
55°	547.6	565.4	598.6	628.2	638.9
57.5°	503.7	523.9	558.3	589.1	598.6
60°	459.9	481.2	518.0	548.8	560.6
62.5°	416.0	436.2	476.5	507.3	518.0
65°	373.4	392.3	433.8	467.0	477.7
67.5°	327.1	348.5	391.1	425.5	435.0
70°	282.1	303.4	348.5	384.0	393.5
72.5°	235.9	260.8	305.8	340.2	353.2
75°	194.4	219.3	264.3	297.5	307.0
77.5°	150.5	175.4	221.6	245.4	246.5
80°	107.9	136.3	175.4	184.9	189.6
82.5°	71.1	98.4	120.9	132.8	132.8
85°	41.5	59.3	69.9	68.7	67.6
87.5°	15.4	20.1	16.6	11.9	8.3
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)