

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: P701653

Luminaire Tested: **RX-WO-40HB2750-UNV-24_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701653
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-40HB2750-UNV-24_3000K
Description: 2X4 4000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

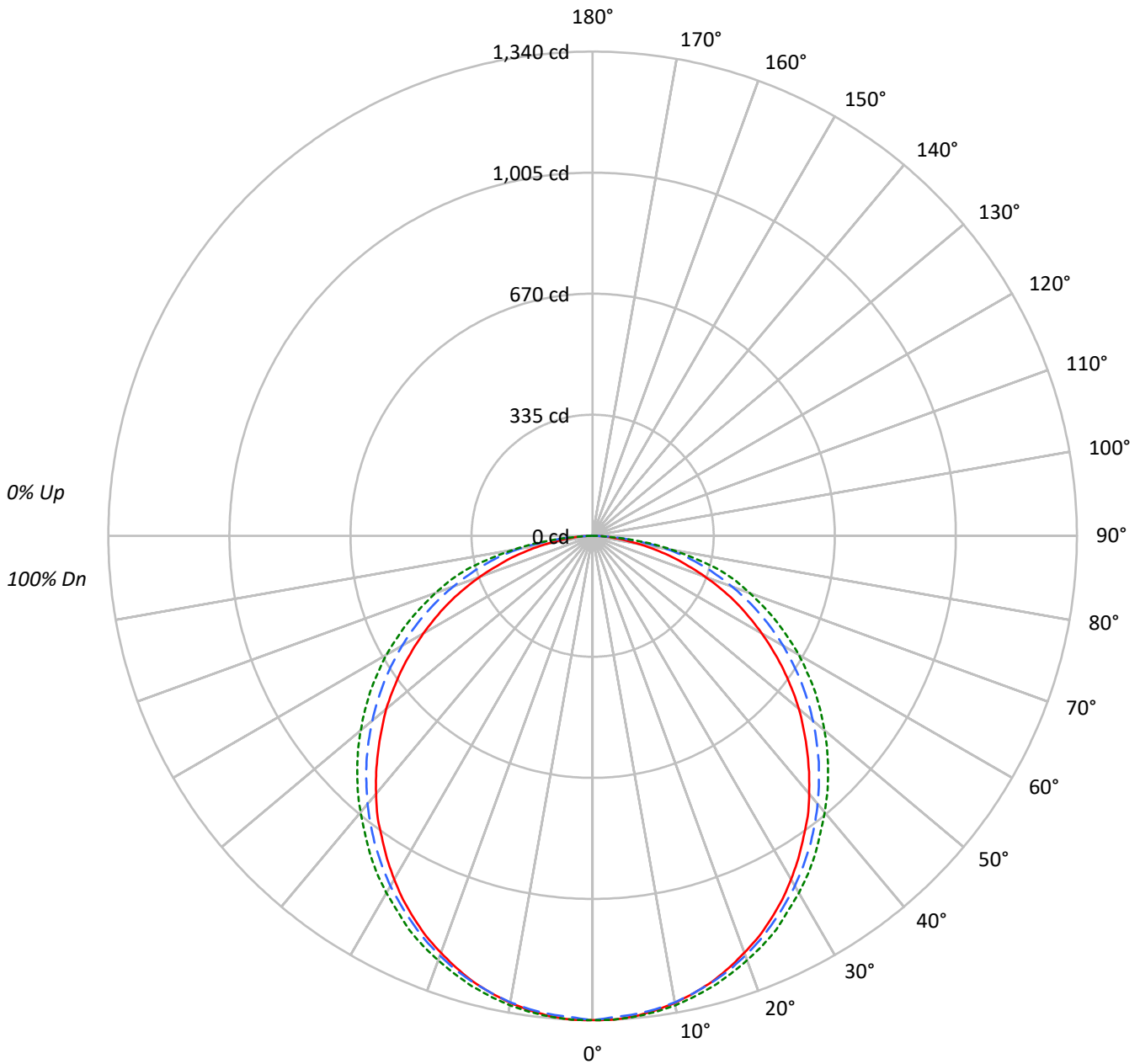
Lumens per Lamp: N/A
Luminaire Lumens: 3902.0 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 29
Input Voltage (V): NR
Input Current (Ain): 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: P701653

CATALOG NUMBER: RX-WO-40HB2750-UNV-24_3000K

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°	1892	1892	1892
5°	1891	1883	1893
10°	1881	1879	1891
15°	1867	1869	1885
20°	1844	1856	1877
25°	1821	1840	1873
30°	1790	1824	1860
35°	1753	1805	1851
40°	1717	1784	1841
45°	1674	1766	1838
50°	1637	1747	1839
55°	1584	1732	1848
60°	1526	1719	1860
65°	1466	1703	1875
70°	1369	1691	1909
75°	1246	1694	1968
80°	1031	1676	1812
85°	790	1331	1286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.8	3.2
10°-20°	361.9	9.3
20°-30°	546.0	14.0
30°-40°	655.5	16.8
40°-50°	681.7	17.5
50°-60°	626.9	16.1
60°-70°	499.7	12.8
70°-80°	316.6	8.1
80°-90°	87.1	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°	1034.6	26.5
0°-40°	1690.1	43.3
0°-60°	2998.7	76.8
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°	1340	1340	1340	1340	1340	
5°	1335	1335	1329	1336	1336	127
15°	1278	1278	1279	1289	1290	360
25°	1169	1175	1182	1198	1203	539
35°	1017	1028	1048	1067	1074	637
45°	839	857	885	913	921	648
55°	644	665	704	739	751	575
65°	439	461	510	549	562	433
75°	228	258	311	350	361	240
85°	49	70	82	81	79	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1340.5	1340.5	1333.6	1340.5	1340.5
5°	1335.0	1335.0	1329.4	1336.4	1336.4
7.5°	1325.2	1326.6	1322.4	1329.4	1329.4
10°	1312.7	1314.1	1311.3	1319.6	1319.6
12.5°	1296.0	1297.3	1296.0	1305.7	1305.7
15°	1277.8	1277.8	1279.2	1289.0	1290.4
17.5°	1254.1	1256.9	1259.7	1270.9	1270.9
20°	1227.7	1231.9	1236.0	1250.0	1250.0
22.5°	1201.2	1205.4	1210.9	1224.9	1227.7
25°	1169.1	1174.7	1181.7	1198.4	1202.6
27.5°	1135.7	1139.9	1151.0	1169.1	1170.5
30°	1098.1	1105.0	1119.0	1137.1	1141.3
32.5°	1059.1	1068.8	1084.1	1105.0	1109.2
35°	1017.3	1028.4	1047.9	1067.4	1074.4
37.5°	978.2	986.6	1008.9	1031.2	1035.4
40°	932.2	944.8	968.5	993.6	999.1
42.5°	886.3	900.2	926.7	951.8	961.5
45°	838.9	857.0	884.9	912.7	921.1
47.5°	791.5	811.0	840.3	870.9	880.7
50°	745.5	763.6	795.7	827.7	837.5
52.5°	694.0	714.9	749.7	784.5	794.3
55°	643.8	664.7	703.7	738.6	751.1
57.5°	592.2	615.9	656.3	692.6	703.7
60°	540.7	565.8	609.0	645.2	659.1
62.5°	489.1	512.8	560.2	596.4	609.0
65°	439.0	461.2	510.0	549.0	561.6
67.5°	384.6	409.7	459.9	500.3	511.4
70°	331.7	356.7	409.7	451.5	462.6
72.5°	277.3	306.6	359.5	399.9	415.3
75°	228.5	257.8	310.7	349.8	360.9
77.5°	177.0	206.2	260.6	288.5	289.8
80°	126.8	160.3	206.2	217.4	223.0
82.5°	83.6	115.7	142.1	156.1	156.1
85°	48.8	69.7	82.2	80.8	79.4
87.5°	18.1	23.7	19.5	13.9	9.8
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)