

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: P701573

Luminaire Tested: **RX-WO-20HB2750-UNV-22_3000K**

Issue Date: 8/21/2023



Test Information

Test Method: LM-79-08
Report Number: P701573
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-20HB2750-UNV-22_3000K
Description: 2X2 2000 LUMEN CLASS RX TROFFER WITH BIO UP LEDS AT 3000K CCT AND ROUND LENS

Light Source: -
Ballast/Driver: -

Summary

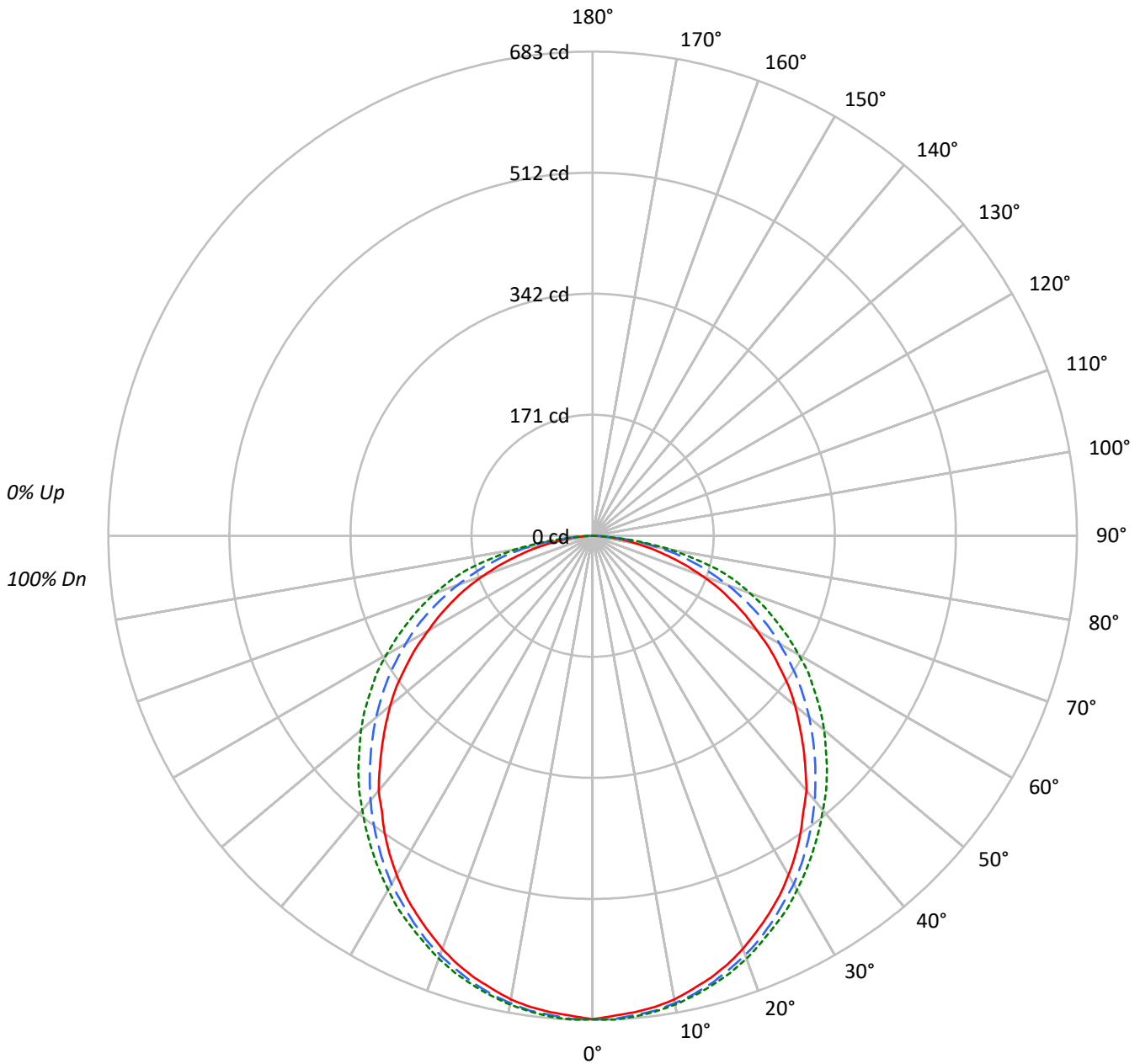
Lumens per Lamp: N/A
Luminaire Lumens: 1955.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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: P701573

CATALOG NUMBER: RX-WO-20HB2750-UNV-22_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P701573

CATALOG NUMBER: RX-WO-20HB2750-UNV-22_3000K

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	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°	1935	1935	1935
5°	1922	1933	1940
10°	1914	1929	1935
15°	1895	1917	1926
20°	1872	1901	1917
25°	1842	1878	1901
30°	1811	1859	1890
35°	1772	1830	1878
40°	1739	1805	1871
45°	1685	1778	1875
50°	1645	1761	1882
55°	1588	1744	1890
60°	1517	1726	1905
65°	1456	1710	1922
70°	1353	1677	1955
75°	1200	1638	1995
80°	1015	1531	1806
85°	720	1061	1029



TEST NUMBER: P701573

CATALOG NUMBER: RX-WO-20HB2750-UNV-22_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	3.3
10°-20°	183.8	9.4
20°-30°	276.1	14.1
30°-40°	330.3	16.9
40°-50°	342.5	17.5
50°-60°	315.0	16.1
60°-70°	250.0	12.8
70°-80°	154.4	7.9
80°-90°	38.4	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°	524.3	26.8
0°-40°	854.7	43.7
0°-60°	1512.2	77.4
0°-90°	1955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	675	677	679	681	681	64
15°	645	647	653	656	656	182
25°	588	592	600	606	607	271
35°	512	517	528	539	542	320
45°	420	427	443	461	467	324
55°	321	329	353	377	382	287
65°	217	226	255	279	286	214
75°	110	124	149	173	182	117
85°	22	28	33	33	32	28
90°	0	0	0	0	0	



TEST NUMBER: P701573

CATALOG NUMBER: RX-WO-20HB2750-UNV-22_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	682.1	682.1	682.1	682.1	682.1
2.5°	677.8	678.8	682.1	683.1	683.1
5°	674.7	676.8	678.8	681.0	681.0
7.5°	670.4	672.6	675.7	676.8	676.8
10°	664.2	666.3	669.4	671.5	671.5
12.5°	654.6	657.9	662.0	664.2	664.2
15°	645.2	647.3	652.6	655.7	655.7
17.5°	633.7	635.7	641.0	645.2	646.2
20°	620.0	622.0	629.4	633.7	634.7
22.5°	604.2	607.3	615.7	620.0	621.0
25°	588.4	592.5	599.9	606.2	607.3
27.5°	571.6	575.7	583.1	591.5	593.6
30°	552.6	556.8	567.3	574.7	576.8
32.5°	532.6	537.8	548.4	557.9	559.9
35°	511.5	516.8	528.4	538.9	542.1
37.5°	488.4	495.8	508.3	520.0	524.1
40°	469.4	473.6	487.3	501.1	505.2
42.5°	444.1	450.5	465.2	481.0	487.3
45°	419.9	427.3	443.1	461.0	467.3
47.5°	395.8	403.1	421.0	440.0	446.2
50°	372.6	378.9	398.9	419.9	426.3
52.5°	348.4	354.7	375.7	398.9	405.2
55°	321.0	329.4	352.6	376.9	382.0
57.5°	295.8	304.2	328.4	351.5	361.0
60°	267.3	277.9	304.2	327.3	335.7
62.5°	243.1	251.5	281.0	304.2	311.5
65°	216.8	226.3	254.7	278.9	286.3
67.5°	191.6	201.0	228.4	252.7	262.1
70°	163.1	173.6	202.1	226.3	235.7
72.5°	136.9	149.4	174.7	200.0	210.5
75°	109.5	124.2	149.4	172.6	182.0
77.5°	85.3	97.9	122.1	137.9	143.1
80°	62.1	74.8	93.7	104.2	110.5
82.5°	42.1	49.4	64.2	71.5	71.5
85°	22.1	28.5	32.6	32.6	31.6
87.5°	7.4	8.4	6.3	3.1	2.1
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)