

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: P738134

Luminaire Tested: **22PT-35-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PB1-L950
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

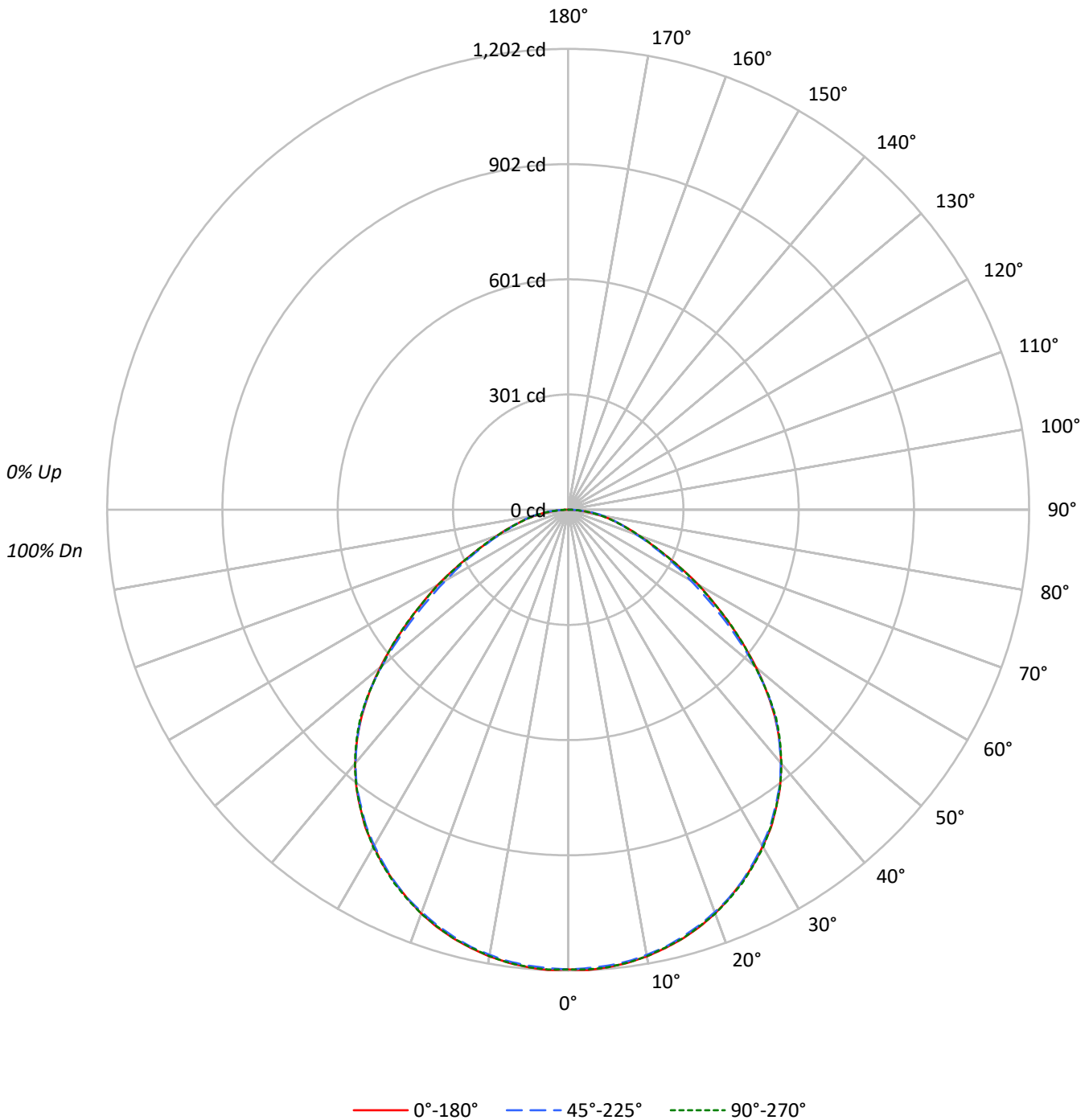
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3023.0 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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

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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3513	3513	3513
5°	3522	3511	3522
10°	3519	3508	3518
15°	3511	3498	3510
20°	3494	3483	3495
25°	3465	3462	3473
30°	3430	3422	3440
35°	3384	3372	3384
40°	3305	3298	3309
45°	3157	3163	3175
50°	2915	2890	2895
55°	2604	2517	2614
60°	2300	2159	2285
65°	1926	1865	1926
70°	1671	1624	1678
75°	1523	1545	1523
80°	1431	1554	1439
85°	1244	1523	1278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.8
10°-20°	326.0	10.8
20°-30°	493.7	16.3
30°-40°	590.5	19.5
40°-50°	584.6	19.3
50°-60°	449.5	14.9
60°-70°	273.7	9.1
70°-80°	144.9	4.8
80°-90°	46.4	1.5
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°	933.4	30.9
0°-40°	1523.9	50.4
0°-60°	2558.0	84.6
0°-90°	3023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1198	1197	1194	1196	1198	114
15°	1158	1156	1153	1156	1157	327
25°	1072	1071	1071	1072	1074	494
35°	946	945	943	946	946	591
45°	762	762	763	764	766	584
55°	510	503	493	502	512	457
65°	278	271	269	269	278	281
75°	134	134	136	136	134	144
85°	37	42	45	43	38	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.0	1199.0	1199.0	1199.0	1199.0
2.5°	1201.9	1200.0	1196.6	1199.0	1200.5
5°	1197.5	1197.0	1193.6	1195.6	1197.5
7.5°	1192.2	1190.7	1188.3	1190.2	1191.7
10°	1182.9	1181.9	1179.0	1181.4	1182.4
12.5°	1171.2	1170.2	1168.3	1170.2	1169.7
15°	1157.6	1155.6	1153.2	1155.6	1157.1
17.5°	1140.5	1138.6	1136.6	1138.1	1139.0
20°	1120.5	1117.6	1117.1	1119.1	1121.0
22.5°	1096.6	1096.6	1096.1	1097.6	1098.6
25°	1071.8	1070.8	1070.8	1072.3	1074.2
27.5°	1045.0	1043.0	1042.0	1044.5	1045.9
30°	1013.8	1013.3	1011.3	1015.2	1016.7
32.5°	983.6	978.7	979.7	981.6	982.1
35°	946.0	945.1	942.6	945.5	946.0
37.5°	908.0	907.5	906.1	907.0	907.5
40°	864.1	863.7	862.2	864.1	865.1
42.5°	815.4	814.4	814.4	815.9	817.4
45°	761.8	762.3	763.3	763.7	766.2
47.5°	701.8	702.8	703.8	702.8	703.3
50°	639.5	639.0	634.1	637.5	635.1
52.5°	573.7	566.4	562.5	570.3	575.6
55°	509.8	503.0	492.8	501.5	511.8
57.5°	448.4	436.7	426.0	436.2	446.5
60°	392.4	374.3	368.5	374.8	389.9
62.5°	332.4	319.7	317.8	318.8	331.9
65°	277.8	271.0	269.0	268.6	277.8
67.5°	233.0	228.6	226.2	228.1	233.9
70°	195.0	193.0	189.6	193.0	195.9
72.5°	163.8	163.3	160.4	163.3	162.3
75°	134.5	134.5	136.5	135.5	134.5
77.5°	109.7	110.6	114.1	111.1	108.2
80°	84.8	87.2	92.1	87.7	85.3
82.5°	60.4	65.8	71.2	65.8	62.4
85°	37.0	42.4	45.3	42.9	38.0
87.5°	16.1	19.0	20.0	18.5	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)