

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: P738162

Luminaire Tested: **22PT-35-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PR1-L850
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

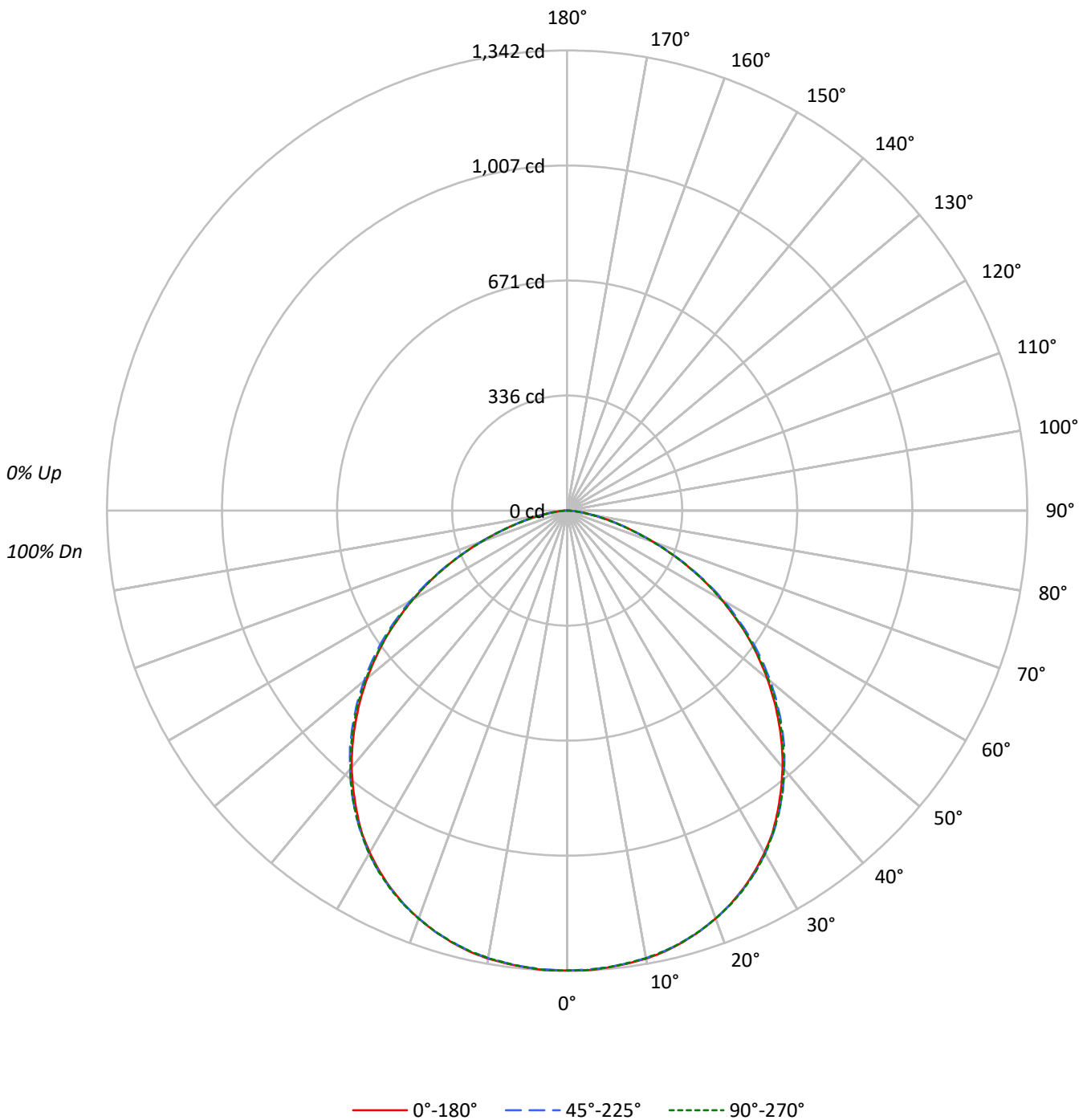
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3584.0 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
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 (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3930	3930	3930
5°	3936	3933	3933
10°	3948	3943	3943
15°	3953	3949	3950
20°	3948	3946	3949
25°	3931	3935	3938
30°	3895	3907	3909
35°	3829	3851	3849
40°	3740	3766	3761
45°	3617	3664	3645
50°	3471	3524	3495
55°	3294	3347	3299
60°	3054	3096	3043
65°	2725	2753	2721
70°	2293	2293	2277
75°	1797	1797	1776
80°	1314	1301	1294
85°	857	857	874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	3.6
10°-20°	367.6	10.3
20°-30°	560.7	15.6
30°-40°	671.9	18.7
40°-50°	678.6	18.9
50°-60°	580.6	16.2
60°-70°	391.5	10.9
70°-80°	172.7	4.8
80°-90°	33.1	0.9
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°	1055.5	29.4
0°-40°	1727.4	48.2
0°-60°	2986.6	83.3
0°-90°	3584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1341	1341	1341	1341	1341	
5°	1338	1336	1337	1336	1337	127
15°	1303	1303	1302	1301	1302	368
25°	1216	1217	1217	1217	1218	560
35°	1070	1077	1076	1076	1076	669
45°	873	880	884	883	880	673
55°	645	651	655	654	646	575
65°	393	396	397	396	392	388
75°	159	159	159	159	157	173
85°	26	26	26	26	26	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1341.3	1341.3	1341.3	1341.3	1341.3
2.5°	1342.1	1340.4	1339.9	1339.5	1341.3
5°	1338.1	1336.3	1337.2	1336.3	1337.2
7.5°	1333.2	1331.4	1331.9	1330.9	1331.9
10°	1327.0	1325.1	1325.1	1324.2	1325.1
12.5°	1317.0	1315.7	1315.2	1314.3	1315.7
15°	1303.1	1302.7	1301.8	1301.3	1302.2
17.5°	1286.2	1285.3	1286.2	1284.8	1285.7
20°	1266.0	1266.5	1265.6	1266.0	1266.5
22.5°	1243.1	1243.1	1243.6	1243.6	1244.5
25°	1215.8	1217.1	1217.1	1217.1	1218.1
27.5°	1185.4	1187.1	1188.4	1187.5	1188.4
30°	1151.3	1154.4	1154.8	1154.4	1155.3
32.5°	1114.5	1116.8	1118.0	1117.1	1116.3
35°	1070.5	1076.8	1076.5	1075.5	1076.0
37.5°	1024.4	1030.7	1032.9	1031.1	1031.6
40°	977.8	983.2	984.5	985.0	983.2
42.5°	926.3	932.6	937.5	935.2	932.6
45°	872.9	879.6	884.2	882.8	879.6
47.5°	817.9	824.1	830.4	828.1	825.1
50°	761.4	767.6	773.0	772.1	766.7
52.5°	703.5	710.7	715.7	713.9	706.7
55°	644.9	650.7	655.2	654.3	645.8
57.5°	581.2	588.8	591.1	589.7	583.5
60°	521.1	526.2	528.3	526.5	519.3
62.5°	457.1	461.1	462.9	462.5	457.6
65°	393.0	396.2	397.1	396.2	392.5
67.5°	327.2	331.6	332.1	332.1	328.5
70°	267.6	268.8	267.6	271.1	265.8
72.5°	209.7	210.6	209.7	209.7	207.4
75°	158.7	159.1	158.7	159.1	156.9
77.5°	114.7	115.6	113.8	115.2	112.9
80°	77.9	77.9	77.1	77.6	76.7
82.5°	48.4	49.3	48.0	48.0	47.5
85°	25.5	25.5	25.5	26.0	26.0
87.5°	9.0	9.0	9.3	9.3	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)