

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: P738129

Luminaire Tested: **22PT-35-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738129
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-L840
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

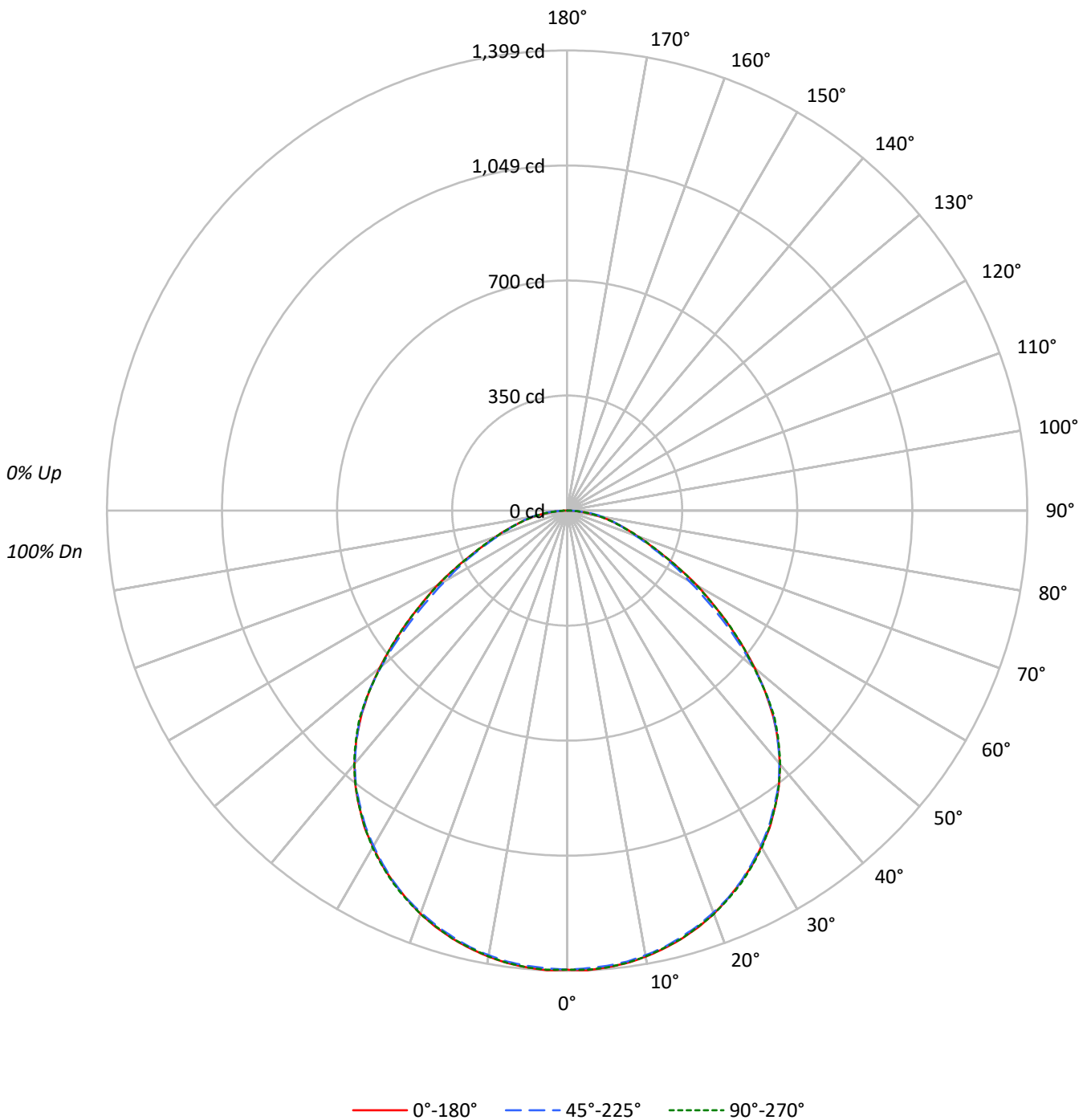
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3519.0 lumens
Efficiency: N/A
Efficacy: 133.8 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 (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	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°	4089	4089	4089
5°	4100	4087	4100
10°	4097	4084	4095
15°	4088	4072	4086
20°	4067	4055	4069
25°	4033	4030	4043
30°	3993	3983	4004
35°	3939	3925	3939
40°	3847	3839	3852
45°	3675	3682	3696
50°	3393	3365	3370
55°	3032	2930	3043
60°	2676	2513	2660
65°	2242	2171	2242
70°	1944	1891	1954
75°	1773	1799	1773
80°	1665	1809	1676
85°	1449	1775	1489



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	3.8
10°-20°	379.5	10.8
20°-30°	574.7	16.3
30°-40°	687.3	19.5
40°-50°	680.6	19.3
50°-60°	523.3	14.9
60°-70°	318.6	9.1
70°-80°	168.7	4.8
80°-90°	54.0	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°	1086.6	30.9
0°-40°	1773.9	50.4
0°-60°	2977.7	84.6
0°-90°	3519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1394	1393	1390	1392	1394	133
15°	1348	1345	1342	1345	1347	380
25°	1248	1246	1246	1248	1250	575
35°	1101	1100	1097	1101	1101	688
45°	887	887	888	889	892	680
55°	594	586	574	584	596	532
65°	323	316	313	313	323	327
75°	157	157	159	158	157	168
85°	43	49	53	50	44	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1395.7	1395.7	1395.7	1395.7	1395.7
2.5°	1399.1	1396.8	1392.9	1395.7	1397.4
5°	1394.0	1393.4	1389.5	1391.7	1394.0
7.5°	1387.8	1386.1	1383.2	1385.5	1387.2
10°	1377.0	1375.9	1372.5	1375.3	1376.4
12.5°	1363.4	1362.2	1360.0	1362.2	1361.7
15°	1347.5	1345.2	1342.4	1345.2	1346.9
17.5°	1327.6	1325.4	1323.1	1324.8	1325.9
20°	1304.4	1301.0	1300.4	1302.7	1304.9
22.5°	1276.6	1276.6	1276.0	1277.7	1278.8
25°	1247.6	1246.5	1246.5	1248.2	1250.5
27.5°	1216.4	1214.2	1213.0	1215.9	1217.6
30°	1180.1	1179.5	1177.3	1181.8	1183.5
32.5°	1144.9	1139.3	1140.4	1142.7	1143.2
35°	1101.3	1100.1	1097.3	1100.7	1101.3
37.5°	1057.0	1056.4	1054.7	1055.9	1056.4
40°	1005.9	1005.4	1003.7	1005.9	1007.1
42.5°	949.2	948.1	948.1	949.8	951.5
45°	886.8	887.4	888.5	889.1	891.9
47.5°	817.0	818.1	819.3	818.1	818.7
50°	744.4	743.8	738.1	742.1	739.3
52.5°	667.8	659.3	654.7	663.8	670.1
55°	593.5	585.5	573.6	583.8	595.7
57.5°	522.0	508.4	495.9	507.8	519.7
60°	456.7	435.7	428.9	436.3	453.9
62.5°	386.9	372.2	369.9	371.1	386.4
65°	323.4	315.5	313.2	312.6	323.4
67.5°	271.2	266.1	263.3	265.5	272.3
70°	226.9	224.7	220.7	224.7	228.1
72.5°	190.6	190.1	186.7	190.1	188.9
75°	156.6	156.6	158.9	157.7	156.6
77.5°	127.7	128.8	132.8	129.4	126.0
80°	98.7	101.6	107.2	102.1	99.3
82.5°	70.4	76.6	82.8	76.6	72.6
85°	43.1	49.4	52.8	49.9	44.3
87.5°	18.7	22.1	23.3	21.6	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)