

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: P738136

Luminaire Tested: **22PT-35-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PC3-L835
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

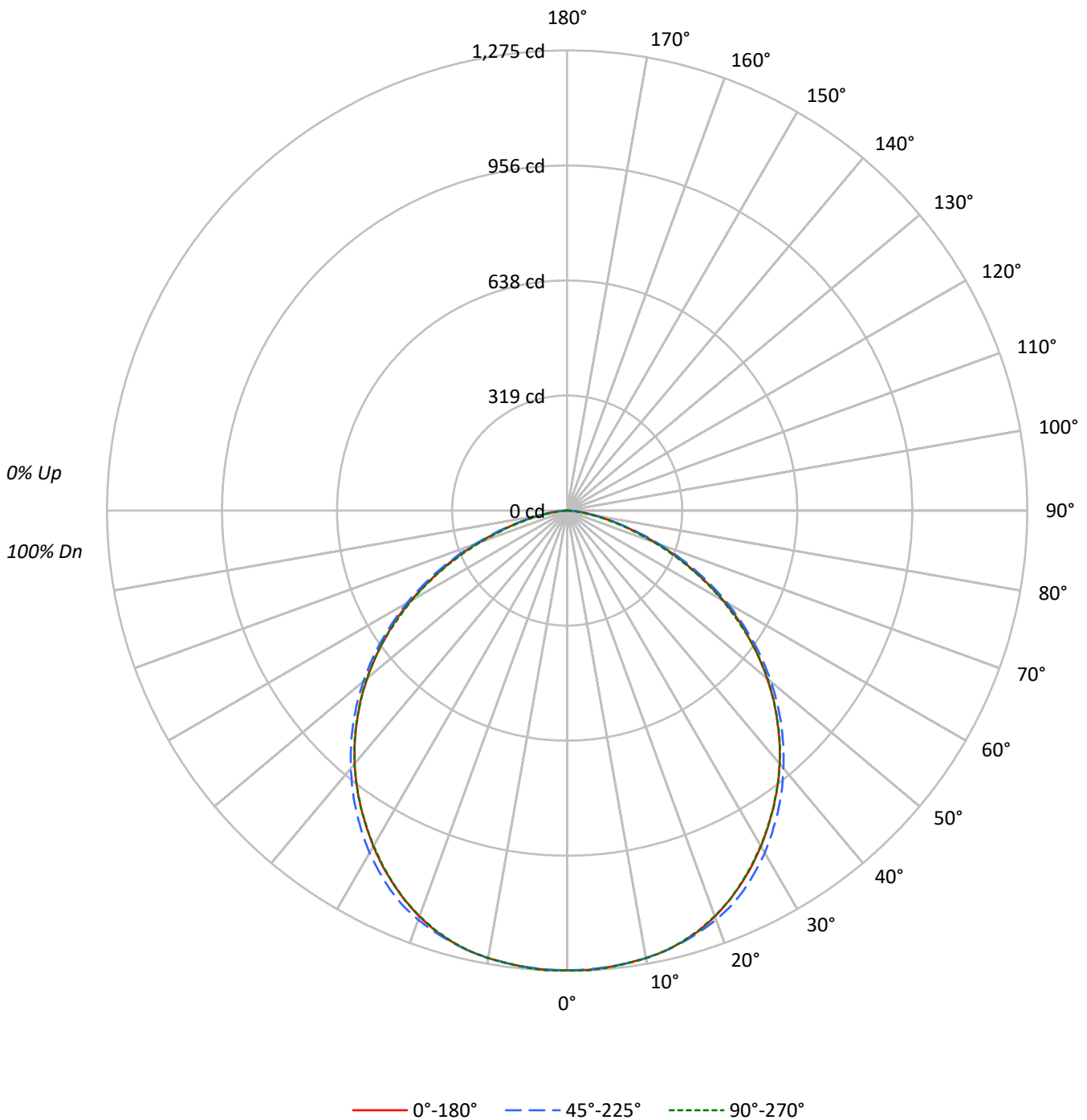
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3422.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3732	3732	3732
5°	3737	3735	3740
10°	3746	3745	3746
15°	3751	3756	3750
20°	3732	3762	3729
25°	3688	3749	3686
30°	3634	3705	3628
35°	3571	3642	3571
40°	3504	3566	3504
45°	3412	3479	3417
50°	3295	3360	3308
55°	3142	3203	3142
60°	2929	3004	2911
65°	2629	2721	2596
70°	2249	2328	2183
75°	1784	1835	1691
80°	1279	1326	1218
85°	844	871	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	3.5
10°-20°	349.1	10.2
20°-30°	529.6	15.5
30°-40°	632.5	18.5
40°-50°	643.3	18.8
50°-60°	556.4	16.3
60°-70°	382.9	11.2
70°-80°	173.8	5.1
80°-90°	33.6	1.0
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°	999.6	29.2
0°-40°	1632.1	47.7
0°-60°	2831.7	82.8
0°-90°	3422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1271	1269	1270	1270	1271	121
15°	1236	1237	1238	1236	1236	349
25°	1141	1151	1160	1149	1140	526
35°	998	1016	1018	1014	998	624
45°	823	838	840	839	824	635
55°	615	626	627	626	615	550
65°	379	390	392	389	374	376
75°	158	164	162	160	149	169
85°	25	27	26	25	24	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.8	1273.8	1273.8	1273.8	1273.8
2.5°	1273.8	1272.2	1272.5	1273.0	1275.4
5°	1270.6	1269.4	1269.7	1269.7	1271.4
7.5°	1265.3	1264.9	1264.9	1264.5	1265.7
10°	1259.2	1258.4	1258.8	1258.4	1259.2
12.5°	1249.9	1249.9	1250.3	1249.1	1249.9
15°	1236.5	1237.3	1238.1	1236.2	1236.2
17.5°	1219.5	1221.5	1223.6	1219.9	1217.9
20°	1196.8	1201.7	1206.5	1200.8	1196.0
22.5°	1170.5	1178.5	1185.9	1177.0	1170.5
25°	1140.9	1151.0	1159.6	1149.0	1140.1
27.5°	1108.9	1120.2	1128.3	1119.4	1107.3
30°	1074.1	1087.9	1095.1	1086.6	1072.4
32.5°	1036.8	1053.0	1057.4	1052.2	1035.9
35°	998.3	1016.1	1018.2	1014.5	998.3
37.5°	958.2	975.2	976.8	974.8	958.2
40°	916.0	931.8	932.3	932.3	916.0
42.5°	871.1	886.5	886.5	886.0	872.3
45°	823.3	838.3	839.5	838.6	824.5
47.5°	775.9	787.2	789.2	787.6	775.1
50°	722.8	734.5	737.0	735.3	725.7
52.5°	670.1	681.1	683.5	682.2	671.3
55°	615.1	625.5	627.1	626.0	615.1
57.5°	562.0	568.8	570.4	568.0	554.3
60°	499.9	509.7	512.6	509.7	496.8
62.5°	440.1	450.5	453.0	448.9	435.2
65°	379.2	389.7	392.5	389.4	374.4
67.5°	321.7	329.4	331.9	328.2	314.4
70°	262.5	272.3	271.8	267.0	254.8
72.5°	204.2	217.5	215.1	212.3	198.9
75°	157.6	163.7	162.1	160.5	149.4
77.5°	112.6	119.9	115.9	116.3	106.9
80°	75.8	82.6	78.6	76.9	72.2
82.5°	48.2	51.0	50.2	49.4	45.0
85°	25.1	26.7	25.9	25.1	23.5
87.5°	9.8	10.6	9.8	9.8	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)