

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: P738137

Luminaire Tested: **22PT-35-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738137
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-L840
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

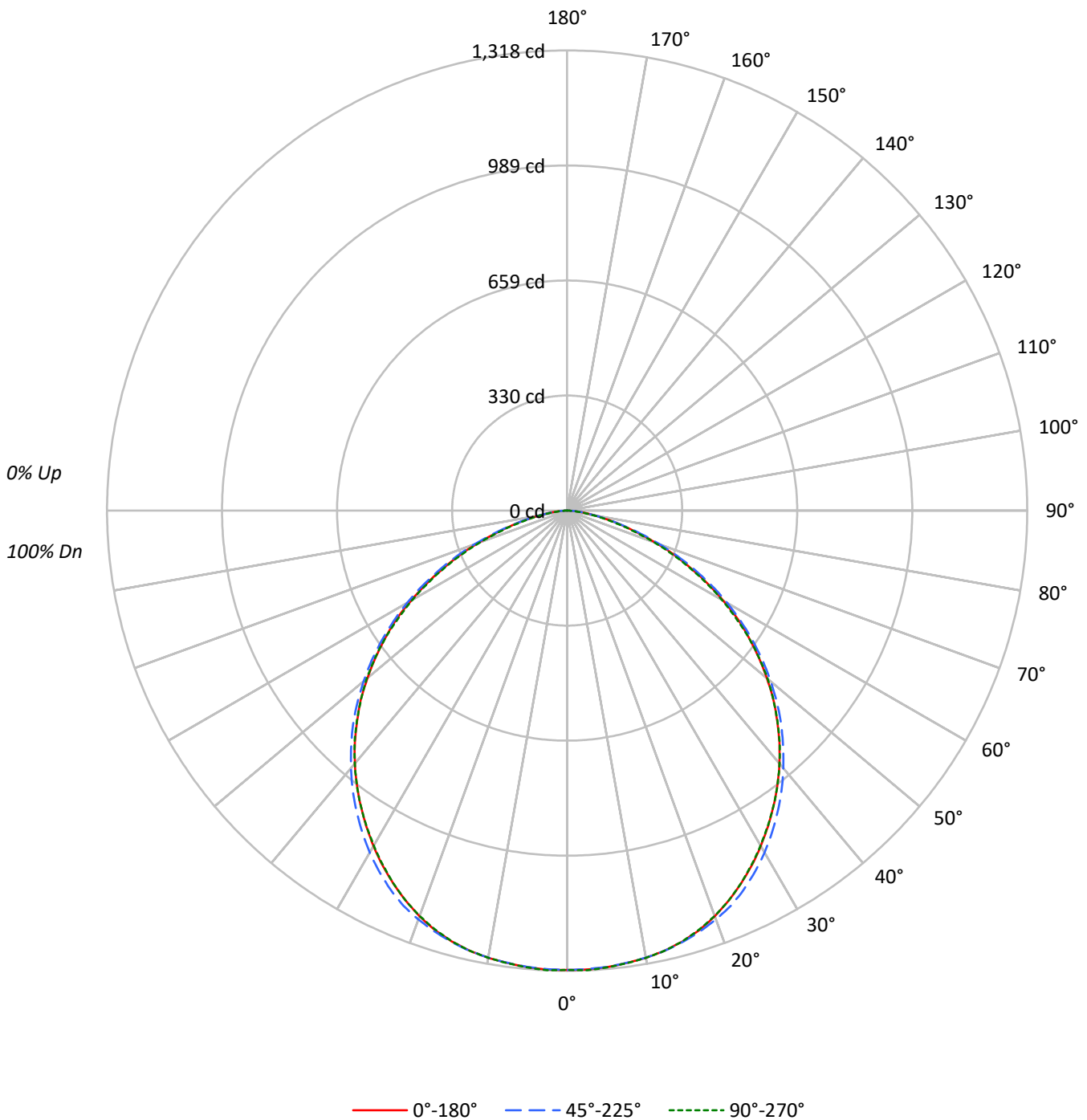
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3535.0 lumens
Efficiency: N/A
Efficacy: 134.4 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°	3855	3855	3855
5°	3861	3858	3863
10°	3870	3869	3870
15°	3875	3880	3874
20°	3855	3886	3852
25°	3810	3873	3808
30°	3754	3828	3748
35°	3689	3762	3689
40°	3620	3684	3620
45°	3524	3594	3530
50°	3404	3471	3417
55°	3246	3309	3246
60°	3027	3103	3007
65°	2716	2811	2681
70°	2323	2406	2255
75°	1843	1895	1748
80°	1321	1370	1259
85°	871	901	817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	3.5
10°-20°	360.6	10.2
20°-30°	547.1	15.5
30°-40°	653.4	18.5
40°-50°	664.5	18.8
50°-60°	574.8	16.3
60°-70°	395.5	11.2
70°-80°	179.5	5.1
80°-90°	34.8	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°	1032.6	29.2
0°-40°	1686.0	47.7
0°-60°	2925.3	82.8
0°-90°	3535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1313	1311	1312	1312	1313	125
15°	1277	1278	1279	1277	1277	360
25°	1179	1189	1198	1187	1178	543
35°	1031	1050	1052	1048	1031	645
45°	850	866	867	866	852	656
55°	635	646	648	647	635	568
65°	392	403	406	402	387	389
75°	163	169	167	166	154	175
85°	26	28	27	26	24	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1315.8	1315.8	1315.8	1315.8	1315.8
2.5°	1315.8	1314.2	1314.6	1315.0	1317.5
5°	1312.6	1311.3	1311.6	1311.6	1313.4
7.5°	1307.0	1306.7	1306.7	1306.2	1307.5
10°	1300.8	1300.0	1300.3	1300.0	1300.8
12.5°	1291.2	1291.2	1291.5	1290.4	1291.2
15°	1277.3	1278.2	1279.0	1277.0	1277.0
17.5°	1259.7	1261.8	1264.0	1260.2	1258.1
20°	1236.4	1241.4	1246.3	1240.5	1235.5
22.5°	1209.1	1217.5	1225.1	1215.8	1209.1
25°	1178.6	1189.1	1197.9	1186.9	1177.8
27.5°	1145.5	1157.2	1165.6	1156.4	1143.9
30°	1109.6	1123.8	1131.3	1122.5	1107.8
32.5°	1071.1	1087.7	1092.3	1086.9	1070.1
35°	1031.3	1049.7	1051.8	1048.1	1031.3
37.5°	989.8	1007.4	1009.1	1007.0	989.8
40°	946.3	962.6	963.1	963.1	946.3
42.5°	899.9	915.7	915.7	915.3	901.1
45°	850.5	866.0	867.3	866.3	851.8
47.5°	801.5	813.2	815.2	813.6	800.7
50°	746.7	758.8	761.4	759.6	749.6
52.5°	692.2	703.6	706.1	704.8	693.5
55°	635.4	646.2	647.8	646.7	635.4
57.5°	580.6	587.6	589.2	586.8	572.6
60°	516.5	526.5	529.5	526.5	513.2
62.5°	454.6	465.4	468.0	463.7	449.5
65°	391.8	402.6	405.5	402.2	386.7
67.5°	332.4	340.2	342.8	339.1	324.7
70°	271.2	281.3	280.8	275.8	263.2
72.5°	211.0	224.7	222.2	219.3	205.5
75°	162.8	169.1	167.4	165.8	154.4
77.5°	116.3	123.9	119.8	120.1	110.5
80°	78.3	85.4	81.2	79.5	74.6
82.5°	49.8	52.7	51.9	51.1	46.5
85°	25.9	27.6	26.8	25.9	24.3
87.5°	10.1	10.9	10.1	10.1	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)