

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: P738337

Luminaire Tested: **22PT-35-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PW1-L840
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

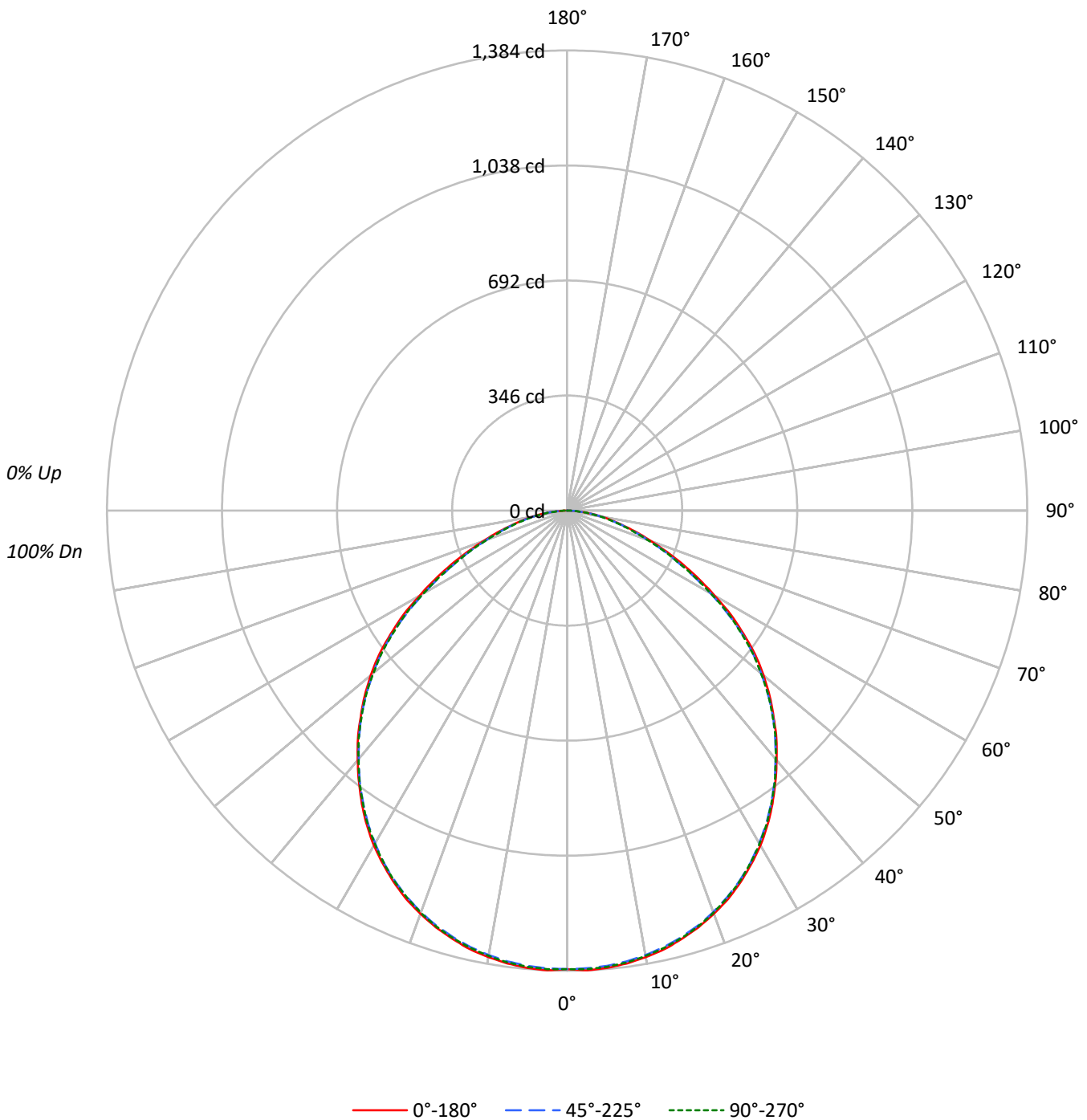
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3592.0 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
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

TEST NUMBER: P738337
CATALOG NUMBER: 22PT-35-PW1-L840

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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	64		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	72	59	50	44	70	58	49	43	56	48	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38		49	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	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°	4041	4041	4041
5°	4061	4043	4051
10°	4058	4039	4047
15°	4045	4027	4037
20°	4024	4007	4013
25°	3988	3970	3975
30°	3935	3910	3915
35°	3851	3830	3833
40°	3749	3729	3732
45°	3640	3627	3622
50°	3515	3475	3466
55°	3311	3267	3249
60°	3006	2919	2925
65°	2673	2548	2548
70°	2291	2207	2191
75°	1987	1943	1899
80°	1787	1714	1682
85°	1419	1432	1355



TEST NUMBER: P738337

CATALOG NUMBER: 22PT-35-PW1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	3.6
10°-20°	375.0	10.4
20°-30°	565.8	15.8
30°-40°	670.1	18.7
40°-50°	674.6	18.8
50°-60°	570.4	15.9
60°-70°	370.9	10.3
70°-80°	184.6	5.1
80°-90°	49.7	1.4
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°	1071.6	29.8
0°-40°	1741.8	48.5
0°-60°	2986.8	83.2
0°-90°	3592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1381	1376	1375	1374	1377	131
15°	1334	1329	1328	1327	1331	376
25°	1233	1229	1228	1227	1230	568
35°	1077	1072	1071	1071	1072	673
45°	878	875	875	874	874	678
55°	648	643	640	637	636	578
65°	386	375	368	365	368	383
75°	176	176	172	167	168	190
85°	42	43	43	43	40	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1379.3	1379.3	1379.3	1379.3	1379.3
2.5°	1384.0	1379.3	1377.7	1376.9	1380.4
5°	1380.8	1375.8	1374.6	1373.8	1377.3
7.5°	1373.8	1369.1	1367.5	1367.2	1370.7
10°	1364.0	1359.3	1357.4	1356.6	1360.1
12.5°	1351.5	1346.4	1344.5	1343.7	1346.8
15°	1333.5	1329.2	1327.7	1327.3	1330.8
17.5°	1314.0	1309.7	1308.9	1307.7	1311.2
20°	1290.5	1286.2	1285.1	1283.5	1287.0
22.5°	1264.7	1259.6	1258.1	1256.9	1259.6
25°	1233.4	1229.1	1228.0	1226.8	1229.5
27.5°	1199.0	1195.9	1194.4	1193.2	1194.7
30°	1163.1	1157.6	1155.6	1154.9	1157.2
32.5°	1121.6	1117.7	1115.0	1114.6	1117.3
35°	1076.7	1072.0	1070.8	1070.8	1071.6
37.5°	1029.0	1026.6	1024.7	1023.5	1025.9
40°	980.1	979.3	975.0	974.6	975.8
42.5°	932.0	928.9	925.8	927.3	928.1
45°	878.5	875.3	875.3	874.2	874.2
47.5°	826.9	823.7	819.4	819.8	820.6
50°	771.0	767.0	762.4	765.1	760.4
52.5°	713.9	706.8	703.3	703.3	702.9
55°	648.2	642.7	639.6	636.9	636.1
57.5°	584.9	576.7	568.8	569.6	572.4
60°	512.9	509.0	498.1	498.9	499.2
62.5°	448.0	440.6	429.3	429.3	433.2
65°	385.5	374.9	367.5	364.8	367.5
67.5°	324.1	318.2	312.0	307.7	311.6
70°	267.4	264.3	257.6	253.3	255.7
72.5°	221.3	217.0	211.5	209.2	206.8
75°	175.5	175.5	171.6	166.9	167.7
77.5°	138.4	137.2	134.5	132.5	132.5
80°	105.9	104.8	101.6	100.9	99.7
82.5°	73.1	73.5	71.9	70.8	69.2
85°	42.2	43.0	42.6	42.6	40.3
87.5°	18.0	16.4	17.6	17.2	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)