

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: P738188

Luminaire Tested: **22PT-45-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738188
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-45-PC3-L935
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

Summary

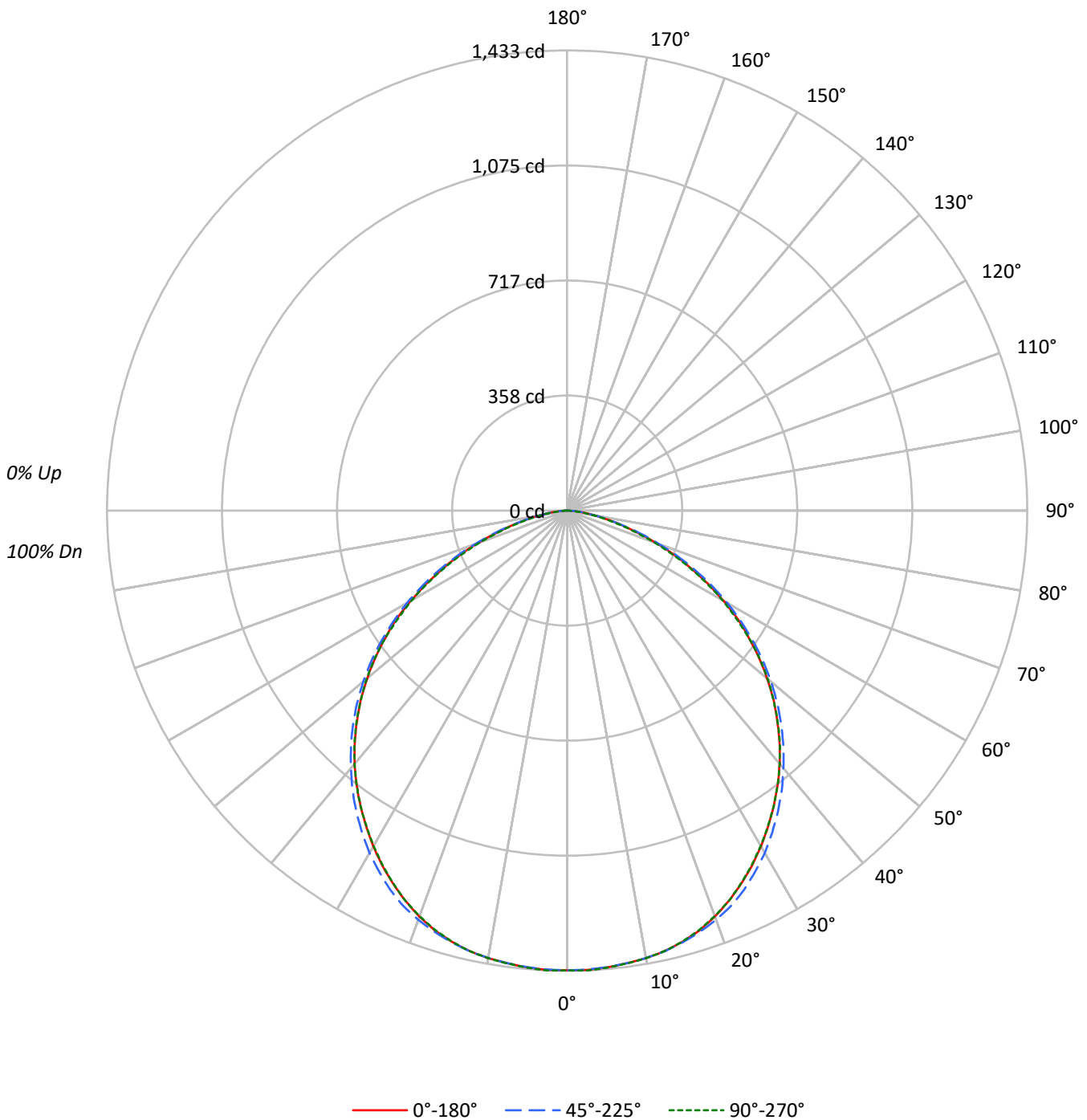
Lumens per Lamp: N/A
Luminaire Lumens: 3846.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 35.3
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°	4195	4195	4195
5°	4200	4197	4203
10°	4211	4209	4211
15°	4216	4221	4214
20°	4194	4228	4191
25°	4146	4213	4143
30°	4084	4164	4078
35°	4013	4093	4013
40°	3938	4008	3938
45°	3834	3910	3840
50°	3703	3776	3718
55°	3531	3600	3531
60°	3293	3376	3272
65°	2955	3059	2917
70°	2528	2617	2454
75°	2006	2062	1902
80°	1438	1492	1368
85°	948	978	888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	3.5
10°-20°	392.3	10.2
20°-30°	595.2	15.5
30°-40°	710.9	18.5
40°-50°	723.0	18.8
50°-60°	625.3	16.3
60°-70°	430.3	11.2
70°-80°	195.3	5.1
80°-90°	37.8	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°	1123.4	29.2
0°-40°	1834.3	47.7
0°-60°	3182.6	82.8
0°-90°	3846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1428	1427	1427	1427	1429	136
15°	1390	1391	1392	1389	1389	392
25°	1282	1294	1303	1291	1281	591
35°	1122	1142	1144	1140	1122	702
45°	925	942	944	942	927	714
55°	691	703	705	704	691	618
65°	426	438	441	438	421	423
75°	177	184	182	180	168	191
85°	28	30	29	28	26	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1431.6	1431.6	1431.6	1431.6	1431.6
2.5°	1431.6	1429.8	1430.2	1430.7	1433.4
5°	1428.0	1426.6	1427.0	1427.0	1428.9
7.5°	1422.0	1421.6	1421.6	1421.1	1422.5
10°	1415.3	1414.4	1414.7	1414.4	1415.3
12.5°	1404.8	1404.8	1405.2	1403.9	1404.8
15°	1389.7	1390.6	1391.5	1389.3	1389.3
17.5°	1370.6	1372.9	1375.2	1371.1	1368.8
20°	1345.1	1350.6	1356.0	1349.6	1344.2
22.5°	1315.5	1324.6	1332.9	1322.8	1315.5
25°	1282.3	1293.7	1303.2	1291.4	1281.4
27.5°	1246.3	1259.0	1268.1	1258.2	1244.5
30°	1207.2	1222.6	1230.8	1221.2	1205.3
32.5°	1165.3	1183.4	1188.4	1182.5	1164.3
35°	1122.0	1142.0	1144.3	1140.3	1122.0
37.5°	1076.9	1096.1	1097.8	1095.5	1076.9
40°	1029.5	1047.3	1047.8	1047.8	1029.5
42.5°	979.1	996.3	996.3	995.8	980.3
45°	925.3	942.1	943.5	942.5	926.7
47.5°	872.0	884.8	887.0	885.2	871.1
50°	812.4	825.5	828.3	826.4	815.6
52.5°	753.1	765.5	768.2	766.8	754.5
55°	691.3	703.0	704.8	703.5	691.3
57.5°	631.6	639.3	641.1	638.4	622.9
60°	561.9	572.9	576.1	572.9	558.3
62.5°	494.6	506.3	509.1	504.5	489.1
65°	426.2	438.0	441.2	437.6	420.7
67.5°	361.6	370.2	373.0	368.9	353.3
70°	295.1	306.0	305.5	300.0	286.4
72.5°	229.5	244.5	241.8	238.6	223.5
75°	177.2	183.9	182.1	180.4	168.0
77.5°	126.6	134.8	130.3	130.7	120.2
80°	85.2	92.9	88.4	86.5	81.1
82.5°	54.2	57.4	56.5	55.6	50.6
85°	28.2	30.0	29.1	28.2	26.4
87.5°	11.0	11.9	11.0	11.0	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)