

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: P738142

Luminaire Tested: **22PT-35-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738142
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-L950
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

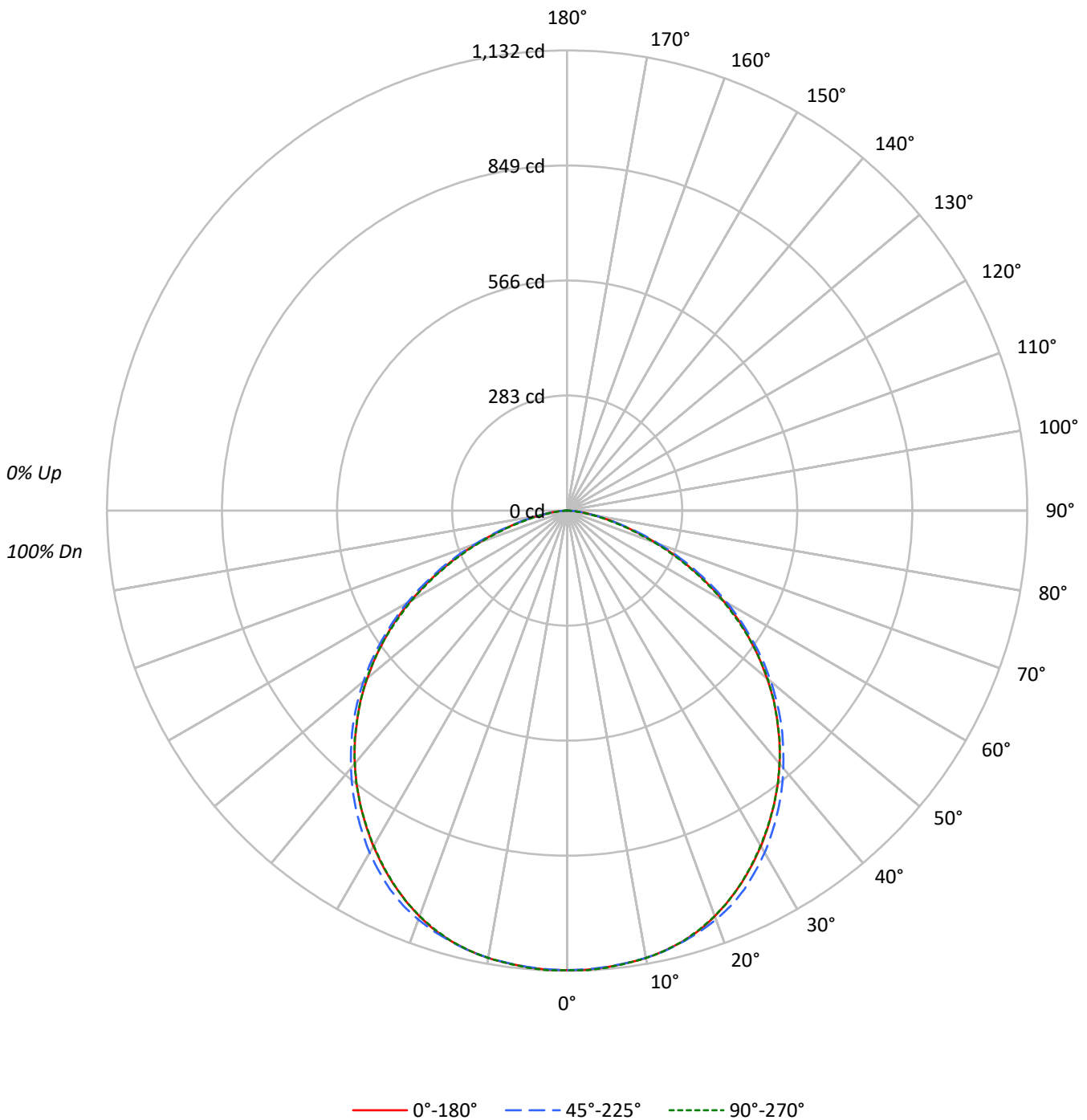
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3037.0 lumens
Efficiency: N/A
Efficacy: 115.5 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°	3312	3312	3312
5°	3317	3314	3319
10°	3325	3324	3325
15°	3329	3333	3328
20°	3312	3339	3310
25°	3274	3327	3271
30°	3225	3288	3220
35°	3169	3232	3169
40°	3110	3165	3110
45°	3028	3087	3032
50°	2924	2982	2936
55°	2789	2843	2789
60°	2600	2666	2584
65°	2334	2415	2303
70°	1996	2067	1937
75°	1584	1628	1501
80°	1136	1178	1080
85°	750	773	703



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	3.5
10°-20°	309.8	10.2
20°-30°	470.0	15.5
30°-40°	561.3	18.5
40°-50°	570.9	18.8
50°-60°	493.8	16.3
60°-70°	339.8	11.2
70°-80°	154.2	5.1
80°-90°	29.9	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°	887.1	29.2
0°-40°	1448.5	47.7
0°-60°	2513.2	82.8
0°-90°	3037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1128	1126	1127	1127	1128	107
15°	1097	1098	1099	1097	1097	310
25°	1013	1022	1029	1020	1012	466
35°	886	902	904	900	886	554
45°	731	744	745	744	732	563
55°	546	555	557	556	546	488
65°	337	346	348	346	332	334
75°	140	145	144	142	133	150
85°	22	24	23	22	21	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1130.5	1130.5	1130.5	1130.5	1130.5
2.5°	1130.5	1129.1	1129.4	1129.8	1131.9
5°	1127.6	1126.5	1126.8	1126.8	1128.4
7.5°	1122.9	1122.6	1122.6	1122.2	1123.3
10°	1117.6	1116.9	1117.2	1116.9	1117.6
12.5°	1109.3	1109.3	1109.6	1108.6	1109.3
15°	1097.4	1098.1	1098.8	1097.1	1097.1
17.5°	1082.3	1084.1	1085.9	1082.7	1080.8
20°	1062.2	1066.5	1070.8	1065.7	1061.5
22.5°	1038.8	1045.9	1052.5	1044.5	1038.8
25°	1012.6	1021.5	1029.1	1019.7	1011.9
27.5°	984.1	994.2	1001.4	993.5	982.7
30°	953.3	965.5	971.9	964.4	951.7
32.5°	920.2	934.5	938.4	933.8	919.4
35°	886.0	901.8	903.6	900.4	886.0
37.5°	850.4	865.5	866.9	865.1	850.4
40°	813.0	827.0	827.4	827.4	813.0
42.5°	773.1	786.7	786.7	786.3	774.1
45°	730.7	744.0	745.1	744.3	731.8
47.5°	688.6	698.7	700.4	699.0	687.9
50°	641.5	651.9	654.1	652.6	644.0
52.5°	594.7	604.5	606.6	605.5	595.8
55°	545.9	555.2	556.6	555.6	545.9
57.5°	498.8	504.8	506.2	504.1	491.9
60°	443.7	452.4	454.9	452.4	440.9
62.5°	390.5	399.8	402.0	398.4	386.2
65°	336.6	345.9	348.4	345.6	332.2
67.5°	285.5	292.3	294.5	291.3	279.0
70°	233.0	241.7	241.3	236.9	226.1
72.5°	181.3	193.1	190.9	188.4	176.5
75°	139.9	145.2	143.8	142.4	132.6
77.5°	100.0	106.4	102.9	103.2	94.9
80°	67.3	73.3	69.8	68.3	64.0
82.5°	42.8	45.3	44.6	43.9	39.9
85°	22.3	23.7	23.0	22.3	20.9
87.5°	8.7	9.4	8.7	8.7	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)