

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: P738165

Luminaire Tested: **22PT-35-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PR1-L940
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

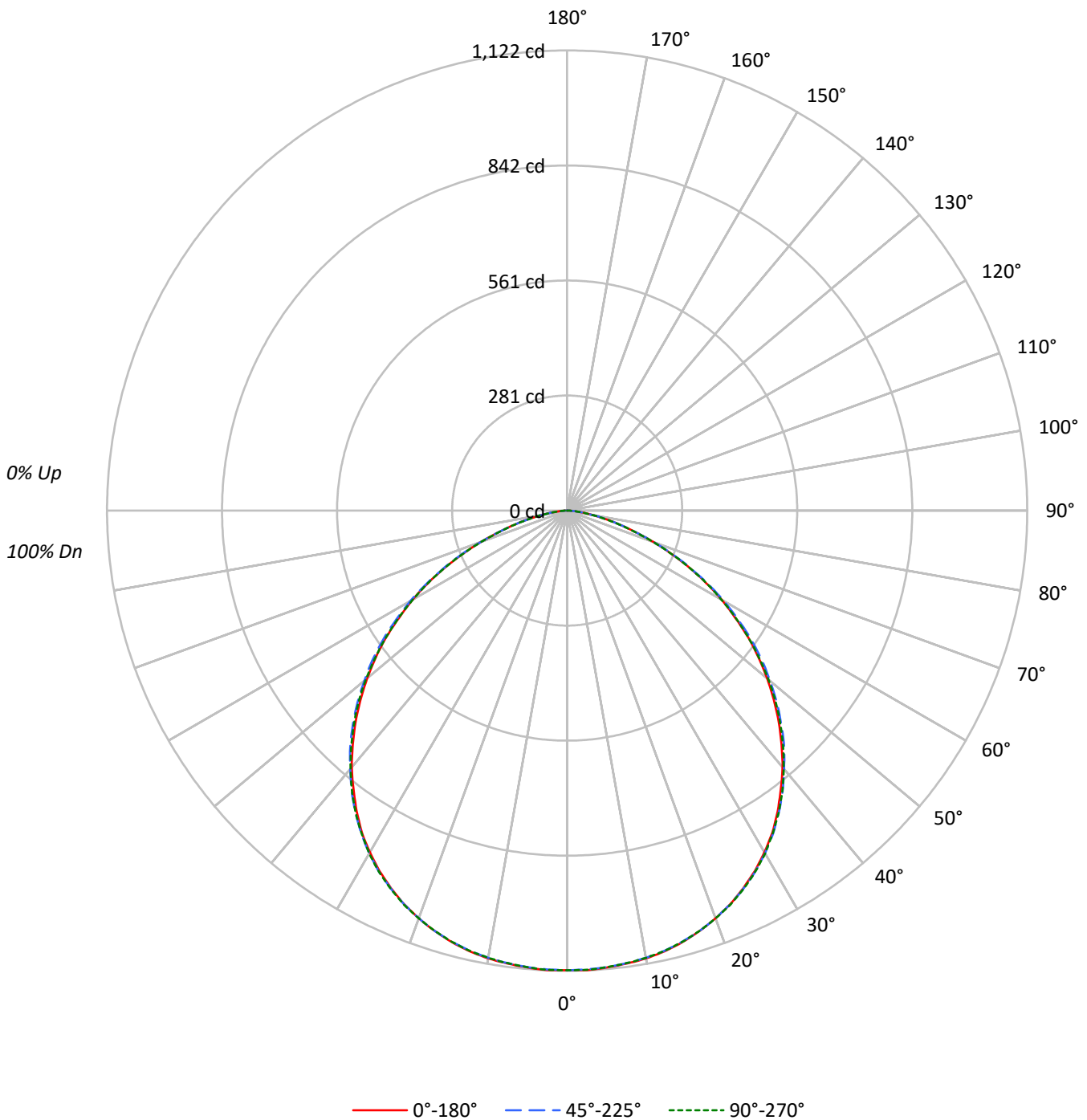
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2995.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 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	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		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	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	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°	3284	3284	3284
5°	3289	3287	3287
10°	3299	3295	3295
15°	3303	3300	3301
20°	3299	3298	3300
25°	3285	3288	3291
30°	3255	3265	3266
35°	3200	3218	3216
40°	3125	3147	3143
45°	3023	3062	3046
50°	2900	2945	2921
55°	2753	2797	2757
60°	2552	2587	2543
65°	2277	2300	2274
70°	1916	1916	1903
75°	1501	1501	1484
80°	1098	1087	1082
85°	716	716	730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.6
10°-20°	307.2	10.3
20°-30°	468.5	15.6
30°-40°	561.5	18.7
40°-50°	567.1	18.9
50°-60°	485.2	16.2
60°-70°	327.2	10.9
70°-80°	144.3	4.8
80°-90°	27.7	0.9
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°	882.0	29.4
0°-40°	1443.5	48.2
0°-60°	2495.8	83.3
0°-90°	2995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1118	1117	1118	1117	1118	106
15°	1089	1089	1088	1088	1088	307
25°	1016	1017	1017	1017	1018	468
35°	895	900	900	899	899	559
45°	730	735	739	738	735	562
55°	539	544	548	547	540	480
65°	328	331	332	331	328	325
75°	133	133	133	133	131	144
85°	21	21	21	22	22	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.8	1120.8	1120.8	1120.8	1120.8
2.5°	1121.6	1120.1	1119.7	1119.4	1120.8
5°	1118.2	1116.7	1117.5	1116.7	1117.5
7.5°	1114.1	1112.6	1113.0	1112.2	1113.0
10°	1108.9	1107.3	1107.3	1106.6	1107.3
12.5°	1100.6	1099.5	1099.1	1098.3	1099.5
15°	1089.0	1088.6	1087.9	1087.5	1088.2
17.5°	1074.8	1074.1	1074.8	1073.6	1074.4
20°	1057.9	1058.3	1057.6	1057.9	1058.3
22.5°	1038.8	1038.8	1039.2	1039.2	1040.0
25°	1016.0	1017.1	1017.1	1017.1	1017.9
27.5°	990.6	992.0	993.1	992.4	993.1
30°	962.1	964.7	965.0	964.7	965.4
32.5°	931.3	933.2	934.3	933.6	932.8
35°	894.6	899.9	899.6	898.7	899.1
37.5°	856.1	861.3	863.1	861.7	862.1
40°	817.1	821.6	822.7	823.1	821.6
42.5°	774.0	779.3	783.4	781.5	779.3
45°	729.5	735.1	738.9	737.7	735.1
47.5°	683.5	688.6	693.9	692.0	689.5
50°	636.3	641.4	646.0	645.2	640.7
52.5°	587.9	593.9	598.1	596.6	590.6
55°	538.9	543.8	547.5	546.7	539.7
57.5°	485.7	492.1	494.0	492.8	487.6
60°	435.5	439.7	441.5	440.0	434.0
62.5°	382.0	385.3	386.8	386.5	382.4
65°	328.4	331.1	331.8	331.1	328.0
67.5°	273.4	277.1	277.5	277.5	274.5
70°	223.6	224.7	223.6	226.6	222.1
72.5°	175.2	176.0	175.2	175.2	173.3
75°	132.6	132.9	132.6	132.9	131.1
77.5°	95.9	96.6	95.1	96.3	94.4
80°	65.1	65.1	64.4	64.8	64.1
82.5°	40.4	41.2	40.1	40.1	39.7
85°	21.3	21.3	21.3	21.7	21.7
87.5°	7.5	7.5	7.8	7.8	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)