

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: P738139

Luminaire Tested: **22PT-35-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738139
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-L930
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

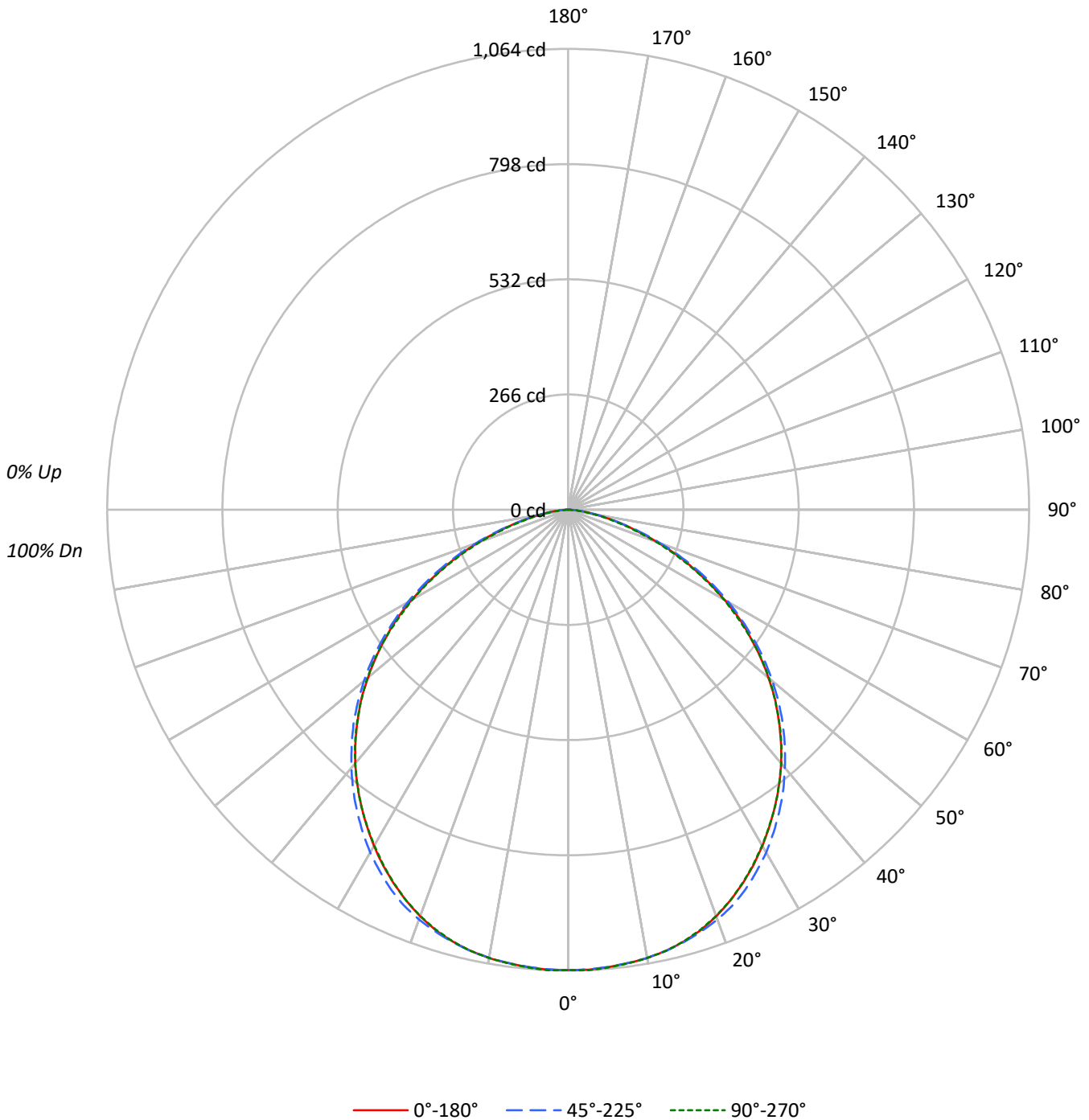
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2856.0 lumens
Efficiency: N/A
Efficacy: 108.6 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°	3115	3115	3115
5°	3119	3117	3121
10°	3127	3126	3127
15°	3130	3134	3130
20°	3115	3140	3112
25°	3078	3129	3076
30°	3033	3092	3028
35°	2980	3040	2980
40°	2924	2976	2924
45°	2847	2904	2851
50°	2750	2804	2761
55°	2622	2674	2622
60°	2445	2507	2430
65°	2194	2271	2166
70°	1877	1944	1822
75°	1490	1532	1412
80°	1068	1107	1016
85°	706	726	659



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	3.5
10°-20°	291.4	10.2
20°-30°	442.0	15.5
30°-40°	527.9	18.5
40°-50°	536.9	18.8
50°-60°	464.4	16.3
60°-70°	319.6	11.2
70°-80°	145.0	5.1
80°-90°	28.1	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°	834.3	29.2
0°-40°	1362.1	47.7
0°-60°	2363.4	82.8
0°-90°	2856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1063	1063	1063	1063	1063	
5°	1060	1059	1060	1060	1061	101
15°	1032	1033	1033	1032	1032	291
25°	952	961	968	959	952	439
35°	833	848	850	847	833	521
45°	687	700	701	700	688	530
55°	513	522	523	522	513	459
65°	316	325	328	325	312	314
75°	132	137	135	134	125	141
85°	21	22	22	21	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1063.1	1063.1	1063.1	1063.1	1063.1
2.5°	1063.1	1061.8	1062.1	1062.4	1064.4
5°	1060.4	1059.4	1059.7	1059.7	1061.1
7.5°	1056.0	1055.7	1055.7	1055.3	1056.4
10°	1051.0	1050.3	1050.6	1050.3	1051.0
12.5°	1043.2	1043.2	1043.5	1042.5	1043.2
15°	1032.0	1032.7	1033.3	1031.7	1031.7
17.5°	1017.8	1019.5	1021.2	1018.1	1016.4
20°	998.9	1003.0	1006.9	1002.2	998.2
22.5°	976.9	983.6	989.8	982.3	976.9
25°	952.2	960.7	967.8	959.0	951.6
27.5°	925.5	935.0	941.7	934.3	924.1
30°	896.4	907.9	914.0	906.9	895.0
32.5°	865.3	878.8	882.5	878.1	864.6
35°	833.2	848.1	849.8	846.7	833.2
37.5°	799.7	813.9	815.3	813.5	799.7
40°	764.5	777.7	778.1	778.1	764.5
42.5°	727.0	739.8	739.8	739.5	728.0
45°	687.1	699.6	700.7	699.9	688.1
47.5°	647.6	657.0	658.7	657.3	646.9
50°	603.3	613.0	615.1	613.7	605.6
52.5°	559.2	568.4	570.4	569.4	560.3
55°	513.3	522.1	523.4	522.4	513.3
57.5°	469.0	474.7	476.1	474.1	462.6
60°	417.3	425.4	427.8	425.4	414.6
62.5°	367.3	376.0	378.1	374.7	363.2
65°	316.5	325.2	327.6	325.0	312.4
67.5°	268.5	274.9	277.0	273.9	262.4
70°	219.1	227.3	226.9	222.8	212.7
72.5°	170.4	181.5	179.6	177.2	166.0
75°	131.6	136.6	135.3	133.9	124.7
77.5°	94.0	100.1	96.7	97.0	89.3
80°	63.3	69.0	65.6	64.2	60.2
82.5°	40.2	42.6	41.9	41.3	37.6
85°	21.0	22.3	21.6	21.0	19.6
87.5°	8.2	8.8	8.2	8.2	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)