

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: P738141

Luminaire Tested: **22PT-35-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738141
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-L940
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

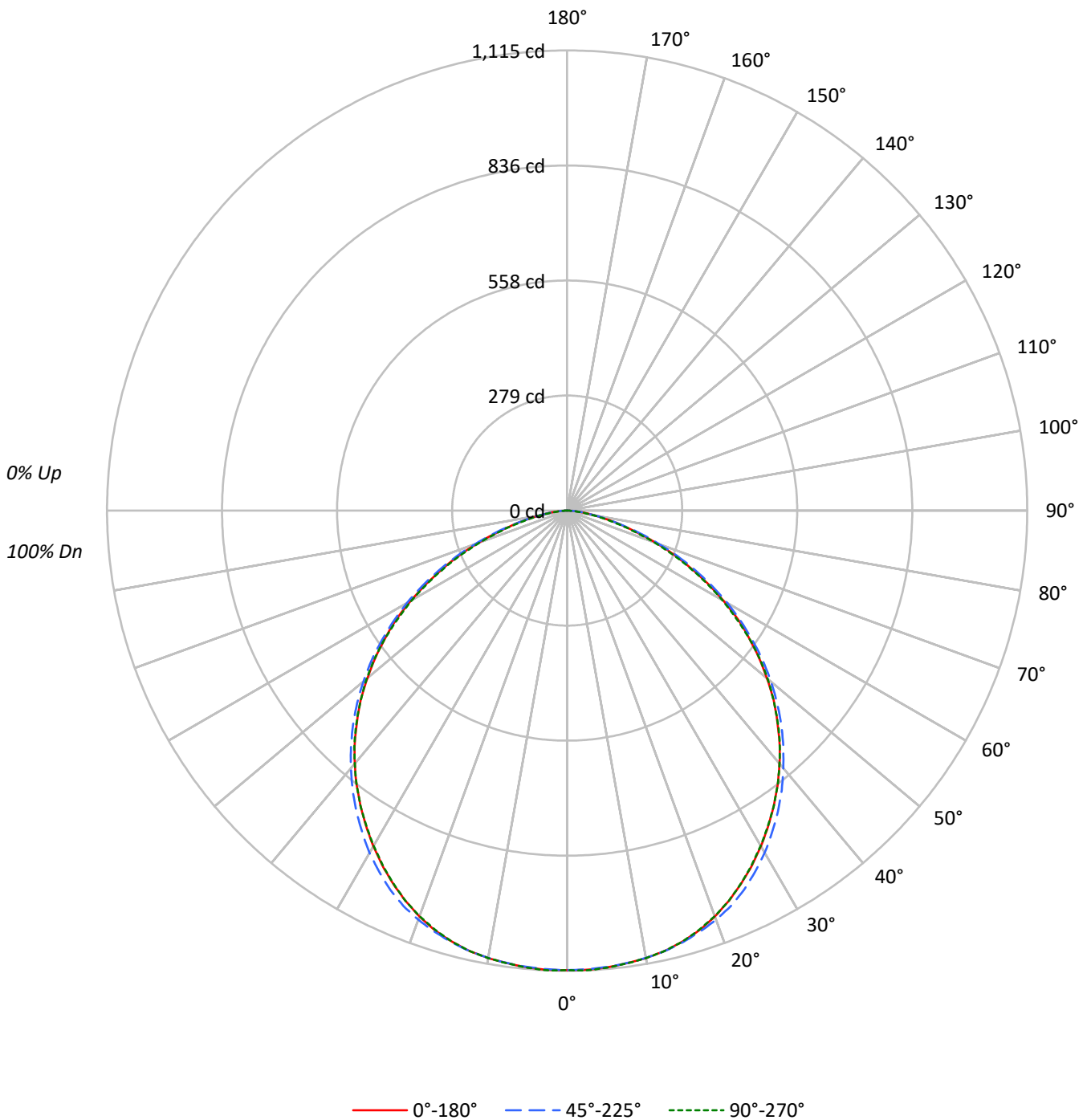
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2992.0 lumens
Efficiency: N/A
Efficacy: 113.8 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°	3263	3263	3263
5°	3267	3265	3270
10°	3276	3275	3276
15°	3279	3284	3279
20°	3263	3289	3261
25°	3225	3278	3223
30°	3177	3240	3172
35°	3122	3184	3122
40°	3063	3118	3063
45°	2983	3042	2987
50°	2881	2937	2892
55°	2747	2801	2747
60°	2561	2627	2545
65°	2299	2379	2269
70°	1966	2036	1909
75°	1560	1604	1480
80°	1119	1161	1065
85°	740	763	693



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	3.5
10°-20°	305.2	10.2
20°-30°	463.1	15.5
30°-40°	553.0	18.5
40°-50°	562.4	18.8
50°-60°	486.5	16.3
60°-70°	334.8	11.2
70°-80°	151.9	5.1
80°-90°	29.4	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°	874.0	29.2
0°-40°	1427.0	47.7
0°-60°	2475.9	82.8
0°-90°	2992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1114	1114	1114	1114	1114	
5°	1111	1110	1110	1110	1112	106
15°	1081	1082	1082	1081	1081	305
25°	998	1006	1014	1005	997	459
35°	873	888	890	887	873	546
45°	720	733	734	733	721	555
55°	538	547	548	547	538	480
65°	332	341	343	340	327	329
75°	138	143	142	140	131	148
85°	22	23	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°	1113.7	1113.7	1113.7	1113.7	1113.7
2.5°	1113.7	1112.3	1112.6	1113.0	1115.1
5°	1110.9	1109.8	1110.1	1110.1	1111.6
7.5°	1106.3	1106.0	1106.0	1105.6	1106.7
10°	1101.0	1100.3	1100.6	1100.3	1101.0
12.5°	1092.9	1092.9	1093.2	1092.2	1092.9
15°	1081.1	1081.8	1082.5	1080.8	1080.8
17.5°	1066.2	1068.0	1069.8	1066.6	1064.8
20°	1046.5	1050.7	1054.9	1049.9	1045.8
22.5°	1023.4	1030.5	1036.9	1029.1	1023.4
25°	997.6	1006.4	1013.9	1004.6	996.9
27.5°	969.5	979.5	986.5	978.8	968.1
30°	939.1	951.2	957.5	950.1	937.6
32.5°	906.5	920.6	924.5	920.0	905.7
35°	872.9	888.5	890.2	887.1	872.9
37.5°	837.8	852.7	854.1	852.3	837.8
40°	800.9	814.7	815.1	815.1	800.9
42.5°	761.7	775.1	775.1	774.7	762.7
45°	719.8	732.9	734.0	733.2	720.9
47.5°	678.4	688.3	690.0	688.6	677.7
50°	632.0	642.2	644.4	642.9	634.5
52.5°	585.9	595.5	597.6	596.5	587.0
55°	537.8	546.9	548.3	547.3	537.8
57.5°	491.4	497.3	498.7	496.6	484.6
60°	437.1	445.7	448.2	445.7	434.3
62.5°	384.8	393.9	396.1	392.5	380.5
65°	331.6	340.7	343.2	340.4	327.3
67.5°	281.3	288.0	290.2	287.0	274.9
70°	229.5	238.1	237.7	233.4	222.8
72.5°	178.6	190.2	188.1	185.6	173.9
75°	137.8	143.1	141.7	140.3	130.7
77.5°	98.5	104.8	101.4	101.7	93.5
80°	66.3	72.2	68.8	67.3	63.1
82.5°	42.1	44.6	43.9	43.2	39.3
85°	22.0	23.4	22.7	22.0	20.6
87.5°	8.5	9.2	8.5	8.5	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)