

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: P738156

Luminaire Tested: **22PT-35-PP3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PP3-L935
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

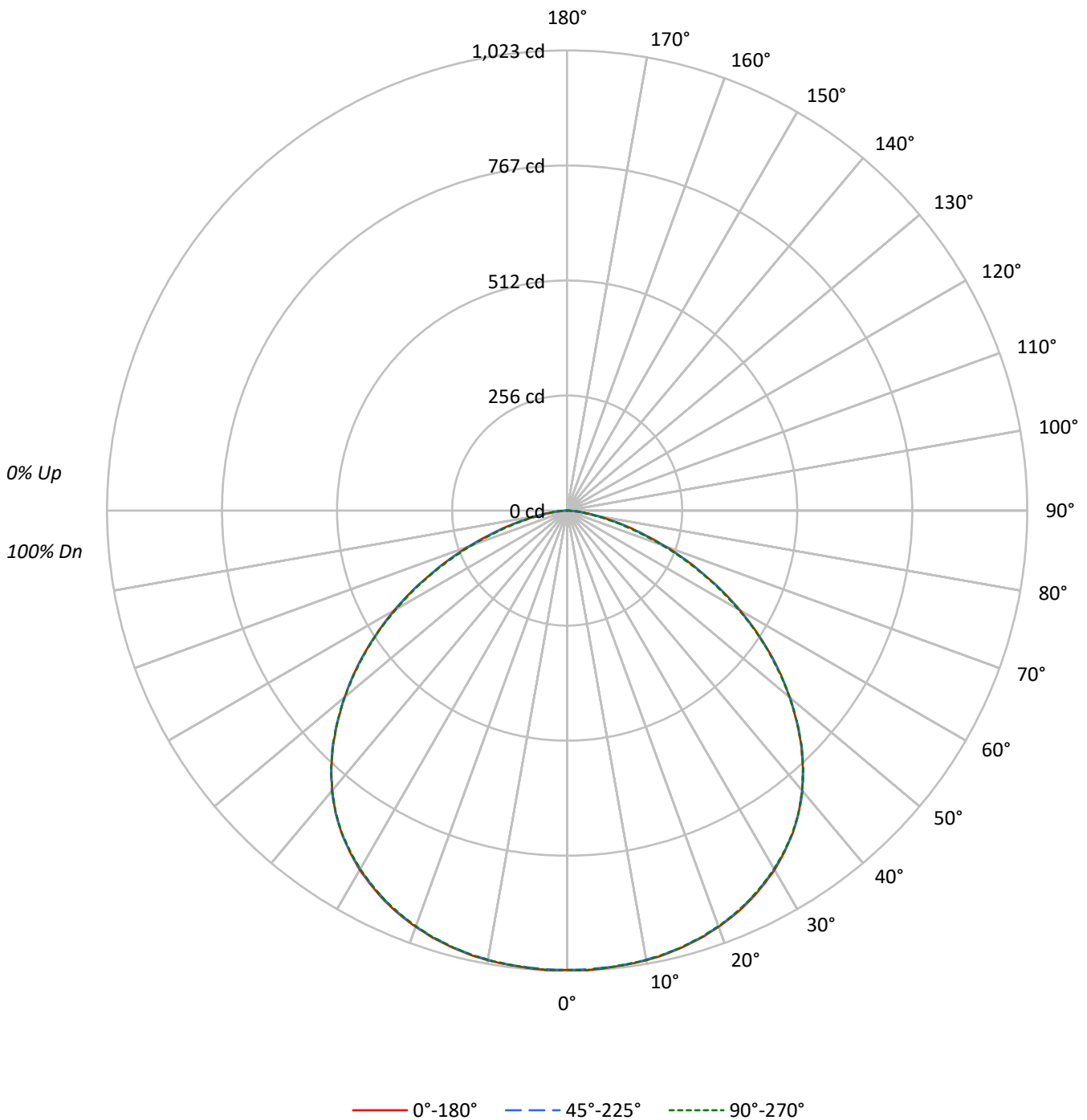
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2930.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2992	2992	2992
5°	3002	2998	3000
10°	3020	3016	3018
15°	3044	3041	3041
20°	3071	3067	3066
25°	3098	3092	3092
30°	3119	3114	3112
35°	3128	3128	3125
40°	3108	3115	3108
45°	3046	3055	3050
50°	2944	2948	2941
55°	2802	2796	2790
60°	2602	2595	2576
65°	2324	2322	2296
70°	1987	1975	1931
75°	1583	1536	1490
80°	1127	1105	1048
85°	733	733	709



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	3.3
10°-20°	283.3	9.7
20°-30°	441.1	15.1
30°-40°	546.0	18.6
40°-50°	566.1	19.3
50°-60°	487.9	16.7
60°-70°	331.7	11.3
70°-80°	148.4	5.1
80°-90°	28.3	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°	821.5	28.0
0°-40°	1367.5	46.7
0°-60°	2421.5	82.6
0°-90°	2930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2930.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1020	1018	1019	1019	1020	97
15°	1004	1002	1002	1002	1002	284
25°	958	957	956	956	956	442
35°	875	874	875	873	874	546
45°	735	734	737	736	736	566
55°	549	547	547	546	546	489
65°	335	338	335	334	331	333
75°	140	140	136	135	132	150
85°	22	22	22	21	21	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1021.2	1021.2	1021.2	1021.2	1021.2
2.5°	1022.6	1020.5	1020.5	1020.9	1022.0
5°	1020.5	1018.5	1019.2	1018.8	1019.9
7.5°	1017.9	1016.1	1017.2	1016.4	1017.2
10°	1015.1	1013.4	1013.7	1013.4	1014.4
12.5°	1010.3	1008.3	1009.0	1009.0	1009.3
15°	1003.5	1001.8	1002.5	1001.8	1002.5
17.5°	995.3	993.3	993.7	993.3	994.0
20°	984.8	983.4	983.7	983.0	983.4
22.5°	972.8	971.1	971.5	970.8	970.8
25°	958.2	956.8	956.5	956.1	956.5
27.5°	941.1	939.4	939.4	939.1	939.1
30°	922.0	920.3	920.3	919.9	919.9
32.5°	899.5	898.8	899.2	898.5	898.1
35°	874.6	873.6	874.6	873.3	873.6
37.5°	845.6	844.3	846.3	845.0	845.3
40°	812.5	811.9	814.3	813.2	812.5
42.5°	775.7	775.7	776.8	777.1	776.4
45°	735.2	734.5	737.2	735.5	736.1
47.5°	691.5	690.5	692.5	692.2	691.9
50°	645.9	645.1	646.8	645.1	645.1
52.5°	598.4	598.1	598.4	596.7	596.3
55°	548.6	546.6	547.3	546.2	546.2
57.5°	496.8	494.4	494.8	494.4	494.8
60°	444.0	443.2	442.9	441.2	439.5
62.5°	389.8	390.4	390.1	387.7	386.0
65°	335.2	337.9	334.9	333.8	331.1
67.5°	283.7	284.7	282.7	280.3	277.2
70°	231.9	233.9	230.5	228.1	225.4
72.5°	182.5	183.8	180.7	179.4	176.0
75°	139.8	140.2	135.7	135.0	131.6
77.5°	99.5	100.9	97.5	97.5	94.1
80°	66.8	69.2	65.5	64.5	62.1
82.5°	42.0	42.3	41.2	40.3	39.2
85°	21.8	22.5	21.8	21.1	21.1
87.5°	8.2	8.5	8.2	7.8	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)