

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: P737756

Luminaire Tested: **14PT-30-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PB1-L935
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

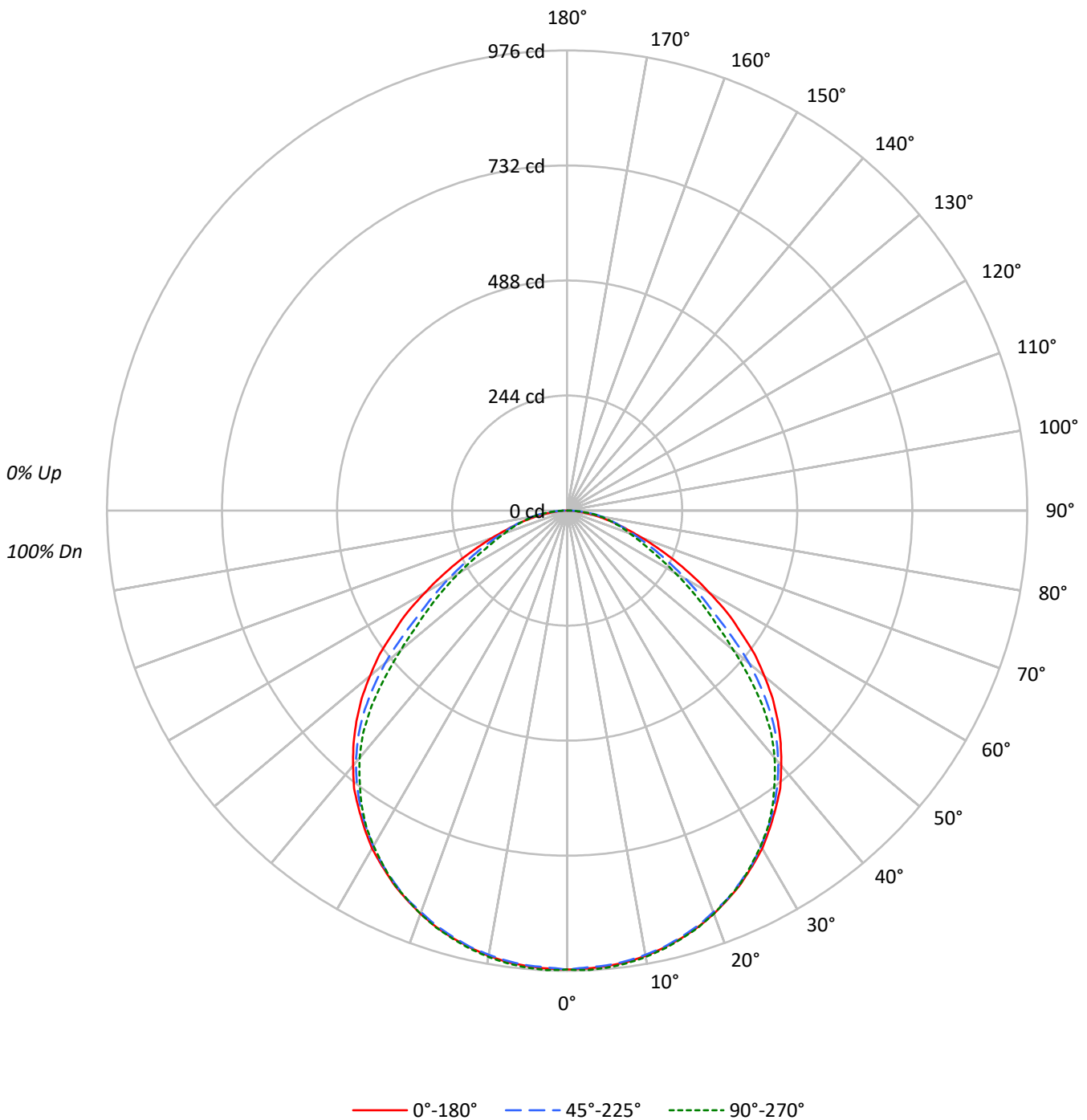
Lumens per Lamp: N/A
Luminaire Lumens: 2427.0 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2918	2918	2918
5°	2918	2915	2929
10°	2920	2912	2927
15°	2913	2906	2917
20°	2903	2892	2903
25°	2887	2875	2883
30°	2864	2847	2843
35°	2822	2800	2782
40°	2764	2727	2680
45°	2680	2594	2487
50°	2546	2351	2150
55°	2346	1996	1852
60°	2089	1744	1587
65°	1792	1512	1351
70°	1480	1332	1239
75°	1248	1275	1207
80°	1055	1302	1240
85°	822	1317	1152



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	3.8
10°-20°	264.8	10.9
20°-30°	401.1	16.5
30°-40°	478.0	19.7
40°-50°	467.4	19.3
50°-60°	353.5	14.6
60°-70°	217.2	8.9
70°-80°	115.7	4.8
80°-90°	36.9	1.5
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°	758.2	31.2
0°-40°	1236.2	50.9
0°-60°	2057.2	84.8
0°-90°	2427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2427.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	970	971	968	972	973	92
15°	939	940	936	940	940	265
25°	873	872	869	870	872	402
35°	771	770	765	761	760	482
45°	632	628	612	591	587	486
55°	449	426	382	360	354	402
65°	253	232	213	196	190	251
75°	108	109	110	107	104	115
85°	24	31	38	36	34	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	973.3	973.3	973.3	973.3	973.3
2.5°	972.1	973.3	969.7	974.5	975.7
5°	969.7	970.9	968.5	972.1	973.3
7.5°	966.1	966.1	963.7	967.3	968.5
10°	959.0	959.0	956.6	960.2	961.4
12.5°	949.4	949.4	948.2	950.6	951.8
15°	938.6	939.8	936.2	939.8	939.8
17.5°	925.4	924.2	923.0	925.4	926.6
20°	909.9	909.9	906.3	908.7	909.9
22.5°	891.9	891.9	890.7	891.9	890.7
25°	872.8	871.6	869.2	870.4	871.6
27.5°	850.0	850.0	847.6	847.6	846.4
30°	827.3	826.1	822.5	820.1	821.3
32.5°	799.7	798.5	794.9	792.5	793.7
35°	771.0	769.8	765.0	761.4	760.2
37.5°	742.3	738.7	732.7	727.9	723.1
40°	706.3	702.8	696.8	686.0	684.8
42.5°	670.4	666.8	657.3	644.1	640.5
45°	632.1	628.5	611.8	591.4	586.6
47.5°	591.4	585.4	559.1	534.0	524.4
50°	545.9	535.1	504.0	471.7	460.9
52.5°	501.6	482.5	441.8	413.0	402.3
55°	448.9	426.2	381.9	360.4	354.4
57.5°	402.3	371.1	335.2	313.7	308.9
60°	348.4	319.7	290.9	271.8	264.6
62.5°	299.3	274.2	250.2	233.5	225.1
65°	252.6	232.3	213.1	196.3	190.4
67.5°	207.1	196.3	180.8	167.6	164.0
70°	168.8	162.8	152.0	146.1	141.3
72.5°	134.1	136.5	129.3	126.9	123.3
75°	107.7	108.9	110.1	106.6	104.2
77.5°	81.4	87.4	92.2	89.8	87.4
80°	61.1	67.0	75.4	71.8	71.8
82.5°	41.9	49.1	56.3	53.9	52.7
85°	23.9	31.1	38.3	35.9	33.5
87.5°	9.6	15.6	16.8	16.8	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)