

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: P737793

Luminaire Tested: **14PT-30-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PW1-L840
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

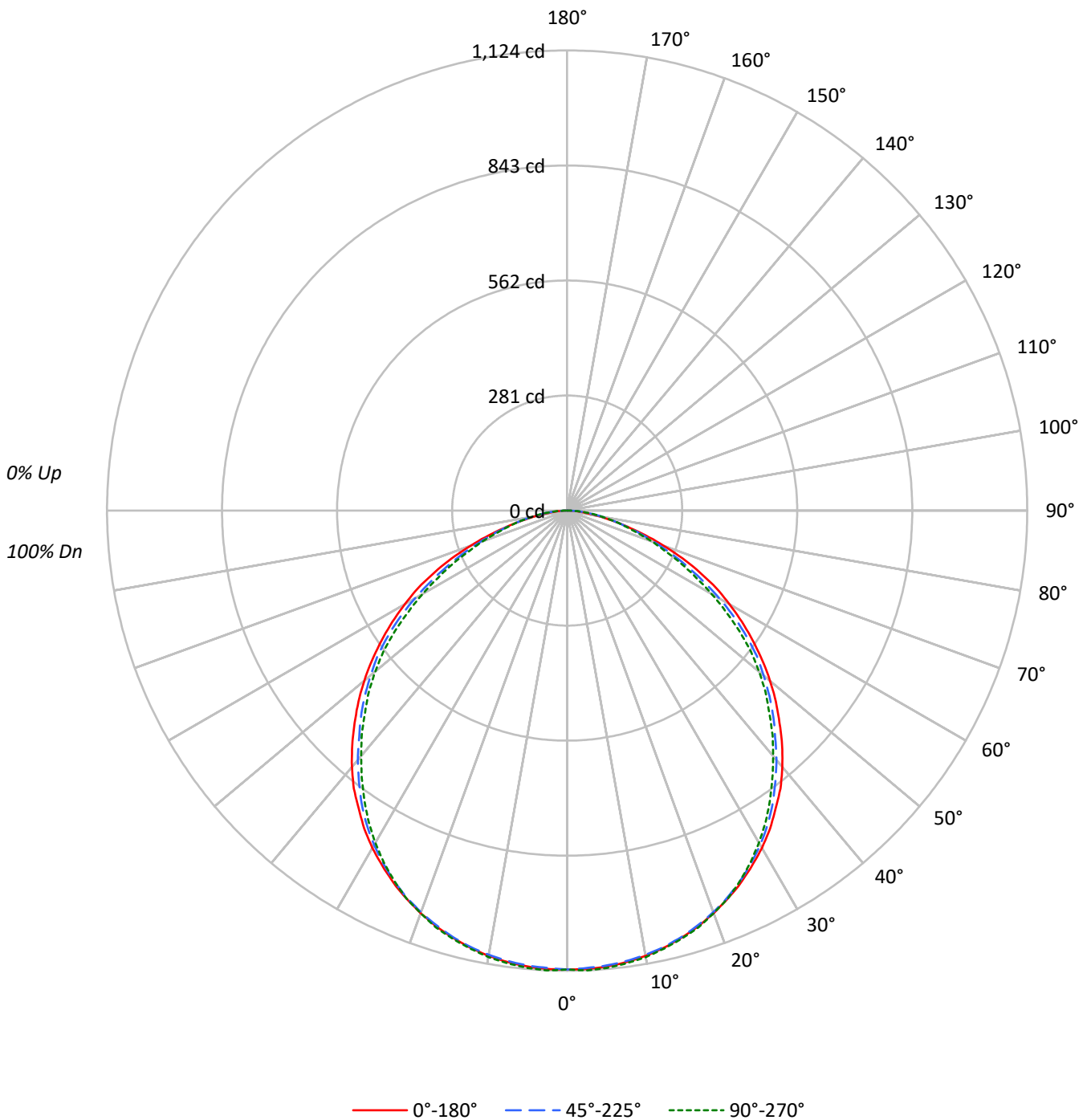
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2975.0 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	47	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°	3361	3361	3361
5°	3364	3357	3374
10°	3362	3355	3371
15°	3352	3347	3360
20°	3338	3330	3338
25°	3320	3306	3303
30°	3294	3266	3243
35°	3250	3202	3160
40°	3201	3113	3064
45°	3112	3021	2959
50°	3018	2920	2852
55°	2892	2794	2684
60°	2742	2580	2446
65°	2537	2304	2189
70°	2199	2006	1929
75°	1756	1718	1669
80°	1335	1492	1492
85°	987	1273	1273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.6
10°-20°	304.9	10.2
20°-30°	460.9	15.5
30°-40°	547.2	18.4
40°-50°	551.3	18.5
50°-60°	476.5	16.0
60°-70°	325.7	10.9
70°-80°	160.6	5.4
80°-90°	41.5	1.4
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°	872.1	29.3
0°-40°	1419.3	47.7
0°-60°	2447.2	82.3
0°-90°	2975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1118	1118	1115	1120	1121	106
15°	1080	1081	1078	1082	1082	305
25°	1004	1003	999	1000	998	462
35°	888	885	875	867	864	556
45°	734	726	712	704	698	567
55°	553	552	535	519	513	495
65°	358	345	325	311	309	353
75°	152	150	148	148	144	165
85°	29	34	37	38	37	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1121.1	1121.1	1121.1	1121.1	1121.1
2.5°	1120.7	1121.1	1118.2	1123.2	1124.4
5°	1117.8	1118.2	1115.3	1119.8	1121.1
7.5°	1112.4	1113.2	1109.9	1114.4	1115.3
10°	1104.5	1104.9	1102.0	1106.5	1107.4
12.5°	1093.7	1094.1	1091.6	1095.7	1095.7
15°	1080.0	1081.2	1078.3	1082.0	1082.4
17.5°	1064.6	1065.0	1062.1	1066.2	1067.1
20°	1046.3	1046.3	1043.8	1047.1	1046.3
22.5°	1026.0	1026.0	1023.0	1024.7	1025.5
25°	1003.5	1002.7	999.4	1000.2	998.5
27.5°	977.8	977.8	972.0	972.0	969.1
30°	951.6	949.5	943.3	939.6	936.7
32.5°	921.7	918.8	910.9	904.3	902.2
35°	888.1	885.1	874.8	866.9	863.5
37.5°	855.7	849.0	835.3	827.4	823.7
40°	817.9	809.5	795.4	784.6	783.0
42.5°	777.2	770.5	752.2	744.3	742.3
45°	734.0	726.1	712.4	704.0	697.8
47.5°	691.6	685.8	670.0	660.0	657.9
50°	647.1	642.2	626.0	615.2	611.4
52.5°	601.0	597.7	584.0	570.3	565.7
55°	553.3	551.6	534.6	518.8	513.4
57.5°	506.3	504.3	483.1	464.8	459.8
60°	457.3	451.1	430.3	413.3	407.9
62.5°	410.8	397.5	375.1	361.8	355.6
65°	357.6	344.8	324.8	310.7	308.6
67.5°	305.3	289.9	274.6	265.8	259.2
70°	250.9	240.5	228.9	221.4	220.1
72.5°	200.2	192.7	186.9	182.3	178.6
75°	151.6	150.4	148.3	148.3	144.1
77.5°	111.3	114.2	115.9	115.5	116.3
80°	77.3	83.1	86.4	86.8	86.4
82.5°	49.0	55.7	61.1	61.9	62.7
85°	28.7	33.6	37.0	37.8	37.0
87.5°	12.9	16.2	17.0	17.9	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)