

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: P737789

Luminaire Tested: **14PT-30-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PR1-L940
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

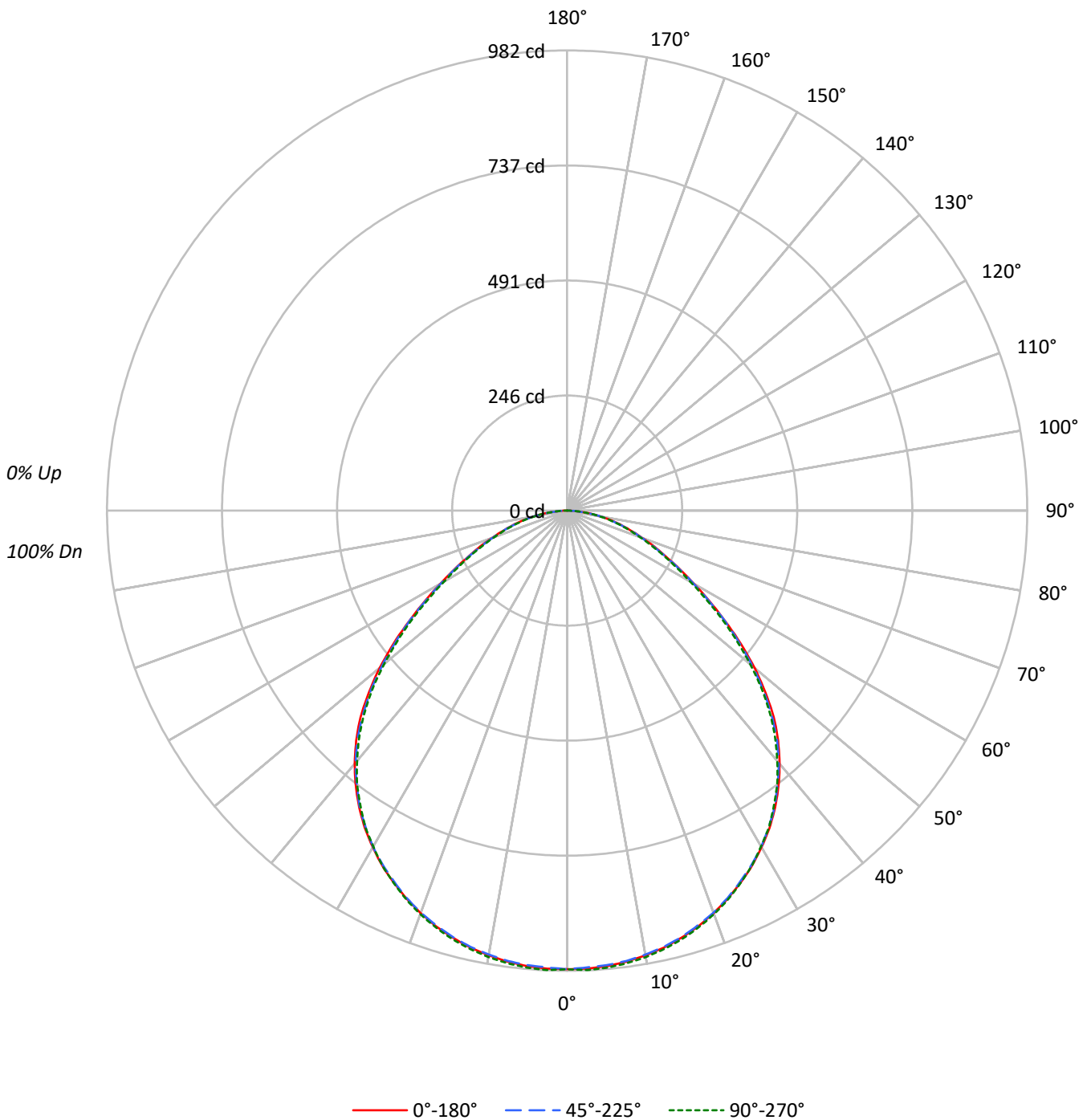
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2475.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2934	2934	2934
5°	2937	2930	2946
10°	2934	2929	2945
15°	2929	2924	2938
20°	2916	2913	2924
25°	2897	2891	2901
30°	2872	2868	2865
35°	2832	2825	2814
40°	2761	2750	2731
45°	2646	2616	2597
50°	2434	2407	2377
55°	2155	2145	2103
60°	1872	1865	1815
65°	1650	1640	1608
70°	1497	1476	1445
75°	1385	1353	1329
80°	1266	1248	1205
85°	1001	991	953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	3.8
10°-20°	266.5	10.8
20°-30°	403.7	16.3
30°-40°	481.9	19.5
40°-50°	473.9	19.1
50°-60°	366.3	14.8
60°-70°	231.0	9.3
70°-80°	124.9	5.0
80°-90°	34.1	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°	762.9	30.8
0°-40°	1244.8	50.3
0°-60°	2085.0	84.2
0°-90°	2475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	976	976	974	978	979	93
15°	944	944	942	945	947	266
25°	876	877	874	877	877	404
35°	774	774	772	771	769	483
45°	624	622	617	612	612	478
55°	412	416	410	404	402	370
65°	233	233	231	227	227	234
75°	120	118	117	118	115	127
85°	29	30	29	29	28	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.6	978.6	978.6	978.6	978.6
2.5°	978.3	978.6	975.8	980.4	981.5
5°	975.8	976.2	973.7	977.9	979.0
7.5°	970.9	971.6	969.2	973.4	974.4
10°	963.9	964.6	962.2	966.4	967.4
12.5°	955.1	955.5	953.4	957.3	958.3
15°	943.6	943.9	942.2	945.3	946.7
17.5°	930.2	930.6	928.1	932.0	932.7
20°	914.1	914.5	913.1	916.2	916.6
22.5°	896.2	896.9	894.8	897.6	898.0
25°	875.9	876.6	873.8	876.6	876.9
27.5°	854.5	854.8	852.4	854.5	854.1
30°	829.6	831.7	828.5	827.8	827.5
32.5°	803.6	804.0	800.8	800.1	801.5
35°	773.8	774.1	772.0	771.0	768.9
37.5°	741.2	741.2	737.3	736.6	736.3
40°	705.4	705.0	702.6	700.1	697.7
42.5°	666.5	667.2	662.3	658.0	657.3
45°	624.0	621.6	617.0	612.1	612.4
47.5°	573.9	574.6	568.2	564.4	563.3
50°	521.9	521.9	516.0	511.8	509.7
52.5°	467.6	467.9	462.3	456.7	455.7
55°	412.2	415.7	410.4	403.7	402.3
57.5°	360.2	363.0	358.1	351.1	350.8
60°	312.2	312.5	311.1	304.5	302.7
62.5°	271.1	269.4	268.7	265.2	263.1
65°	232.6	232.9	231.2	227.3	226.6
67.5°	201.3	201.0	197.8	195.4	194.0
70°	170.8	169.8	168.4	166.3	164.9
72.5°	143.5	143.5	142.4	141.7	139.3
75°	119.6	118.2	116.8	117.5	114.7
77.5°	96.8	95.4	94.4	93.0	92.3
80°	73.3	71.9	72.3	70.2	69.8
82.5°	50.9	50.9	50.2	48.4	48.8
85°	29.1	29.5	28.8	29.1	27.7
87.5°	10.5	10.9	11.6	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)