

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: P737758

Luminaire Tested: **14PT-30-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737758
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-L950
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

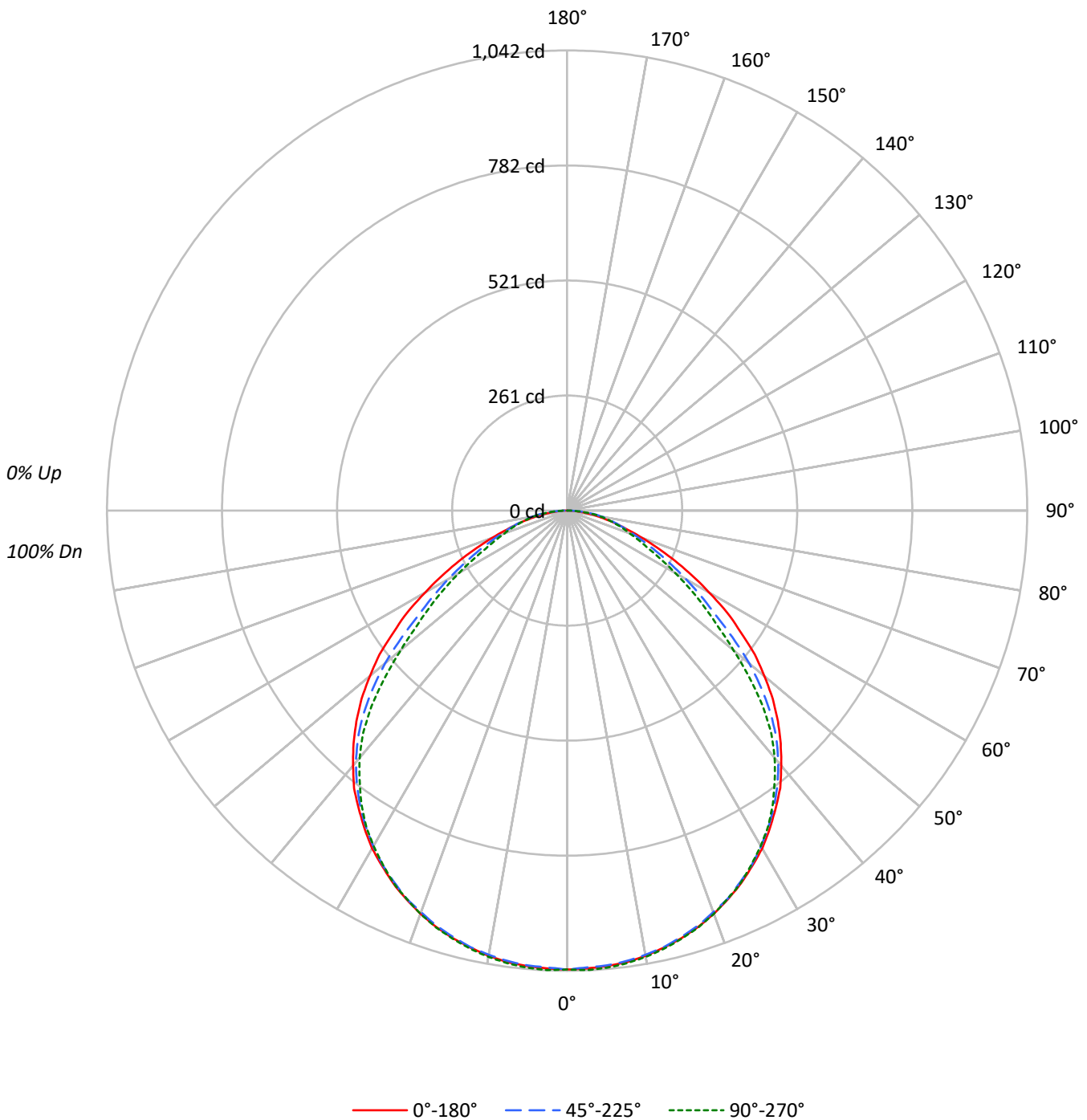
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2591.0 lumens
Efficiency: N/A
Efficacy: 110.7 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	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	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°	3115	3115	3115
5°	3116	3112	3127
10°	3117	3109	3124
15°	3110	3102	3114
20°	3099	3087	3099
25°	3082	3070	3078
30°	3058	3040	3035
35°	3013	2989	2970
40°	2951	2911	2861
45°	2861	2769	2655
50°	2718	2510	2295
55°	2505	2131	1977
60°	2230	1862	1694
65°	1913	1614	1442
70°	1580	1423	1322
75°	1332	1362	1288
80°	1126	1390	1324
85°	881	1407	1231



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	3.8
10°-20°	282.7	10.9
20°-30°	428.2	16.5
30°-40°	510.3	19.7
40°-50°	499.0	19.3
50°-60°	377.4	14.6
60°-70°	231.9	8.9
70°-80°	123.5	4.8
80°-90°	39.4	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°	809.5	31.2
0°-40°	1319.8	50.9
0°-60°	2196.2	84.8
0°-90°	2591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1035	1036	1034	1038	1039	98
15°	1002	1003	1000	1003	1003	283
25°	932	930	928	929	930	429
35°	823	822	817	813	812	515
45°	675	671	653	631	626	519
55°	479	455	408	385	378	429
65°	270	248	228	210	203	268
75°	115	116	118	114	111	123
85°	26	33	41	38	36	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1037.8	1039.1	1035.3	1040.4	1041.6
5°	1035.3	1036.5	1034.0	1037.8	1039.1
7.5°	1031.4	1031.4	1028.9	1032.7	1034.0
10°	1023.8	1023.8	1021.2	1025.0	1026.3
12.5°	1013.5	1013.5	1012.3	1014.8	1016.1
15°	1002.0	1003.3	999.5	1003.3	1003.3
17.5°	988.0	986.7	985.4	988.0	989.2
20°	971.4	971.4	967.5	970.1	971.4
22.5°	952.2	952.2	950.9	952.2	950.9
25°	931.7	930.5	927.9	929.2	930.5
27.5°	907.4	907.4	904.9	904.9	903.6
30°	883.2	881.9	878.1	875.5	876.8
32.5°	853.8	852.5	848.7	846.1	847.4
35°	823.1	821.8	816.7	812.9	811.6
37.5°	792.4	788.6	782.2	777.1	772.0
40°	754.1	750.2	743.9	732.3	731.1
42.5°	715.7	711.9	701.7	687.6	683.8
45°	674.8	671.0	653.1	631.4	626.3
47.5°	631.4	625.0	596.9	570.0	559.8
50°	582.8	571.3	538.1	503.6	492.1
52.5°	535.5	515.1	471.6	440.9	429.4
55°	479.3	455.0	407.7	384.7	378.3
57.5°	429.4	396.2	357.9	334.9	329.7
60°	371.9	341.3	310.6	290.1	282.5
62.5°	319.5	292.7	267.1	249.2	240.3
65°	269.7	248.0	227.5	209.6	203.2
67.5°	221.1	209.6	193.0	178.9	175.1
70°	180.2	173.8	162.3	155.9	150.8
72.5°	143.1	145.7	138.0	135.5	131.6
75°	115.0	116.3	117.6	113.8	111.2
77.5°	86.9	93.3	98.4	95.9	93.3
80°	65.2	71.6	80.5	76.7	76.7
82.5°	44.7	52.4	60.1	57.5	56.2
85°	25.6	33.2	40.9	38.3	35.8
87.5°	10.2	16.6	17.9	17.9	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)