

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: P737776

Luminaire Tested: **14PT-30-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PP3-L835
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

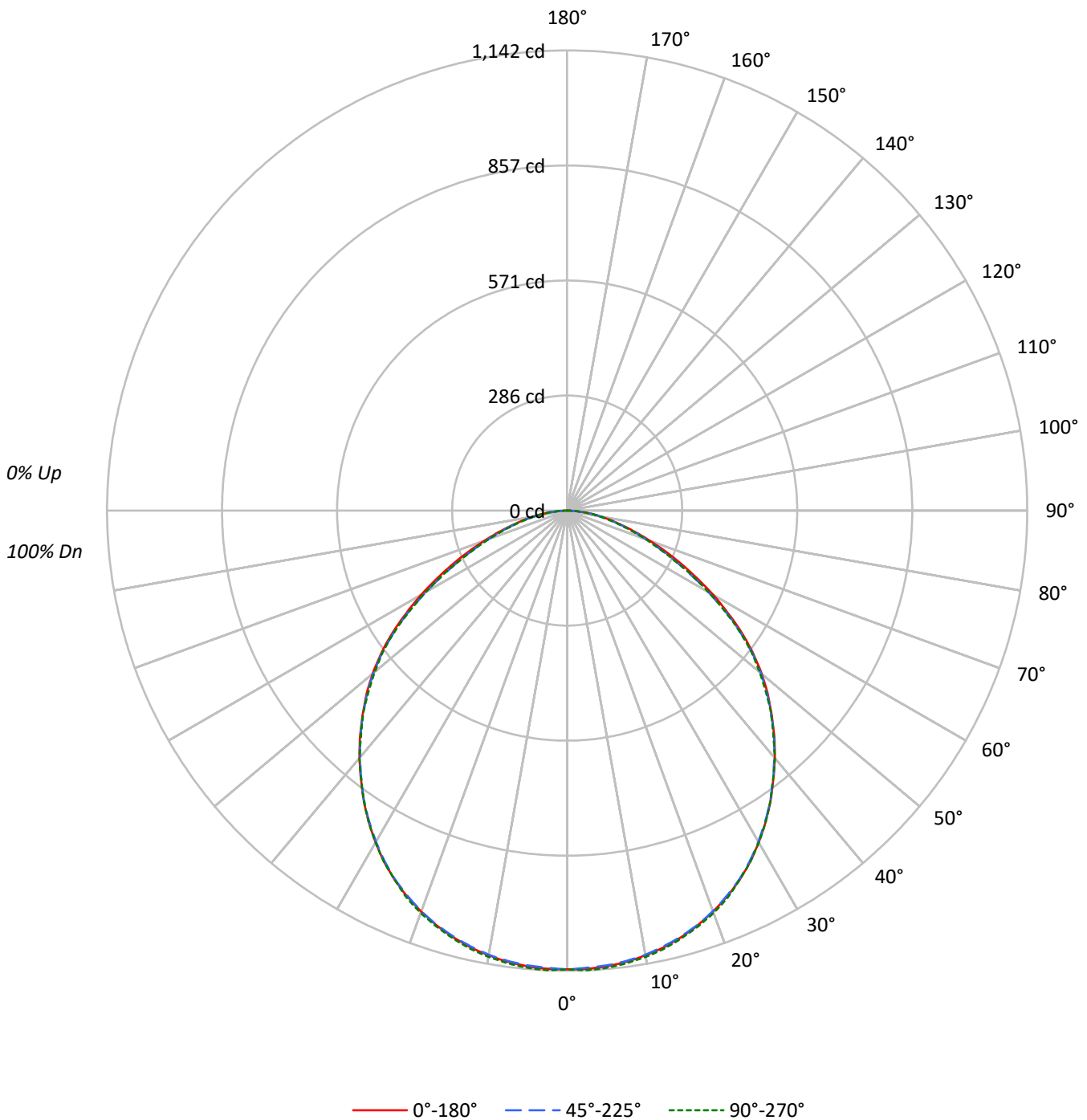
Lumens per Lamp: N/A
Luminaire Lumens: 2942.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

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	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3414	3414	3414
5°	3417	3409	3428
10°	3412	3407	3424
15°	3401	3394	3410
20°	3378	3376	3390
25°	3348	3343	3347
30°	3292	3285	3292
35°	3220	3216	3219
40°	3138	3128	3136
45°	3044	3035	3038
50°	2942	2928	2907
55°	2769	2737	2728
60°	2513	2428	2434
65°	2208	2096	2093
70°	1909	1822	1800
75°	1652	1589	1556
80°	1462	1442	1378
85°	1207	1252	1180



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	3.7
10°-20°	309.4	10.5
20°-30°	465.7	15.8
30°-40°	549.7	18.7
40°-50°	552.8	18.8
50°-60°	466.7	15.9
60°-70°	299.7	10.2
70°-80°	149.1	5.1
80°-90°	40.9	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°	883.1	30.0
0°-40°	1432.8	48.7
0°-60°	2452.3	83.4
0°-90°	2942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1139	1139	1139	1139	1139	
5°	1135	1136	1133	1138	1139	108
15°	1096	1096	1094	1098	1098	309
25°	1012	1013	1010	1013	1012	466
35°	880	880	879	880	880	550
45°	718	720	716	717	717	554
55°	530	529	524	522	522	471
65°	311	307	296	293	295	310
75°	143	142	137	136	134	154
85°	35	36	36	34	34	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1138.6	1138.6	1138.6	1138.6	1138.6
2.5°	1138.2	1138.6	1135.7	1141.1	1141.9
5°	1135.3	1135.7	1132.8	1138.2	1139.0
7.5°	1129.5	1129.9	1127.5	1132.4	1133.2
10°	1120.8	1122.1	1119.2	1123.7	1124.6
12.5°	1110.1	1110.5	1107.6	1113.0	1113.8
15°	1095.6	1096.0	1093.6	1098.5	1098.5
17.5°	1079.1	1079.5	1077.9	1082.0	1081.6
20°	1058.9	1060.1	1058.0	1060.9	1062.6
22.5°	1036.9	1037.4	1034.9	1038.6	1040.3
25°	1012.1	1012.6	1010.5	1012.6	1011.7
27.5°	983.2	984.0	981.2	983.2	983.6
30°	951.0	953.0	948.9	950.6	951.0
32.5°	916.3	917.5	914.6	915.0	917.1
35°	879.9	880.3	878.7	879.5	879.5
37.5°	840.6	842.3	839.8	841.0	839.4
40°	801.8	800.1	799.3	800.1	801.4
42.5°	760.9	761.3	760.0	759.2	757.1
45°	717.9	720.4	715.8	716.6	716.6
47.5°	675.7	676.1	673.7	671.2	669.5
50°	630.7	630.7	627.8	625.7	623.2
52.5°	581.5	580.7	577.4	575.3	576.5
55°	529.8	529.4	523.6	521.6	522.0
57.5°	473.2	474.0	465.4	463.3	463.3
60°	419.1	414.9	405.0	402.1	405.9
62.5°	362.5	357.5	346.8	346.8	349.6
65°	311.2	306.7	295.5	292.6	295.1
67.5°	263.3	259.1	248.8	247.1	248.0
70°	217.8	214.1	207.9	204.2	205.4
72.5°	178.5	175.2	171.1	168.2	166.6
75°	142.6	141.8	137.2	136.0	134.3
77.5°	112.8	112.4	108.7	107.0	105.4
80°	84.7	84.3	83.5	81.0	79.8
82.5°	60.3	60.3	59.9	57.9	56.6
85°	35.1	36.4	36.4	34.3	34.3
87.5°	14.1	14.9	14.1	14.1	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)