

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: P737792

Luminaire Tested: **14PT-30-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737792
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-L835
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

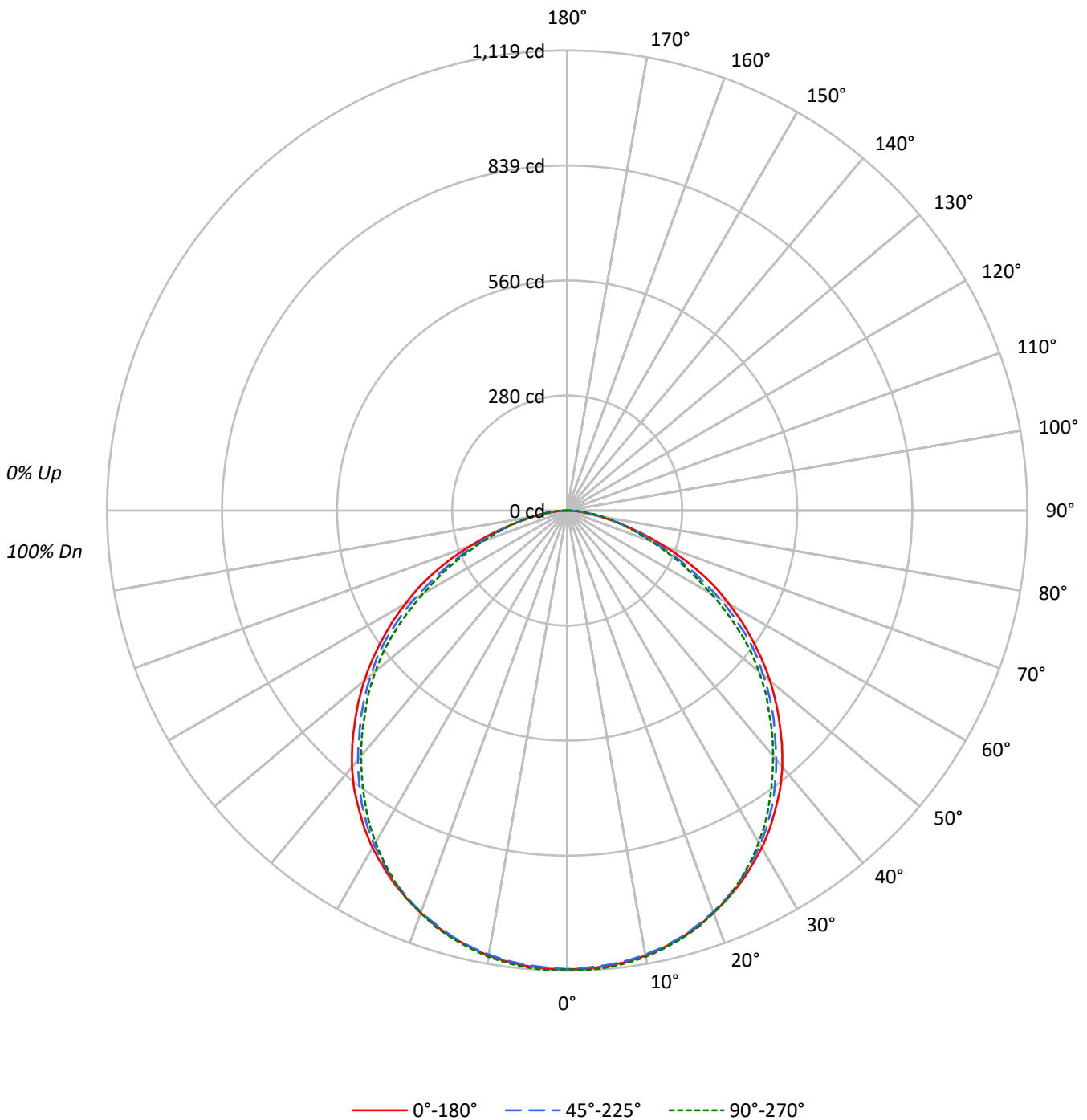
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2960.0 lumens
Efficiency: N/A
Efficacy: 126.5 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

TEST NUMBER: P737792
CATALOG NUMBER: 14PT-30-PW1-L835

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°	3344	3344	3344
5°	3347	3339	3357
10°	3345	3338	3354
15°	3335	3330	3343
20°	3321	3314	3321
25°	3303	3289	3287
30°	3278	3249	3226
35°	3234	3186	3145
40°	3185	3097	3049
45°	3096	3005	2944
50°	3003	2905	2837
55°	2877	2780	2670
60°	2728	2568	2433
65°	2524	2293	2179
70°	2188	1996	1920
75°	1747	1709	1661
80°	1328	1485	1485
85°	980	1266	1266



TEST NUMBER: P737792

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	3.6
10°-20°	303.4	10.2
20°-30°	458.5	15.5
30°-40°	544.5	18.4
40°-50°	548.5	18.5
50°-60°	474.1	16.0
60°-70°	324.1	10.9
70°-80°	159.8	5.4
80°-90°	41.3	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°	867.7	29.3
0°-40°	1412.1	47.7
0°-60°	2434.8	82.3
0°-90°	2960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1112	1112	1110	1114	1115	106
15°	1074	1076	1073	1077	1077	303
25°	998	998	994	995	994	460
35°	884	881	870	862	859	553
45°	730	722	709	700	694	564
55°	550	549	532	516	511	492
65°	356	343	323	309	307	351
75°	151	150	148	148	143	164
85°	28	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°	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1115.0	1115.4	1112.5	1117.5	1118.7
5°	1112.1	1112.5	1109.6	1114.2	1115.4
7.5°	1106.7	1107.6	1104.3	1108.8	1109.6
10°	1098.9	1099.3	1096.4	1101.0	1101.8
12.5°	1088.1	1088.6	1086.1	1090.2	1090.2
15°	1074.5	1075.7	1072.9	1076.6	1077.0
17.5°	1059.2	1059.6	1056.7	1060.9	1061.7
20°	1041.0	1041.0	1038.6	1041.9	1041.0
22.5°	1020.8	1020.8	1017.9	1019.5	1020.4
25°	998.5	997.6	994.3	995.2	993.5
27.5°	972.8	972.8	967.1	967.1	964.2
30°	946.8	944.7	938.5	934.8	931.9
32.5°	917.1	914.2	906.3	899.7	897.6
35°	883.6	880.7	870.4	862.5	859.2
37.5°	851.3	844.7	831.1	823.2	819.5
40°	813.7	805.5	791.4	780.7	779.0
42.5°	773.2	766.6	748.4	740.6	738.5
45°	730.3	722.4	708.8	700.5	694.3
47.5°	688.1	682.3	666.6	656.7	654.6
50°	643.9	638.9	622.8	612.1	608.3
52.5°	598.0	594.7	581.1	567.4	562.9
55°	550.5	548.8	531.9	516.2	510.8
57.5°	503.8	501.7	480.6	462.5	457.5
60°	455.0	448.8	428.2	411.2	405.8
62.5°	408.7	395.5	373.2	360.0	353.8
65°	355.8	343.0	323.2	309.1	307.1
67.5°	303.8	288.5	273.2	264.5	257.9
70°	249.6	239.3	227.7	220.3	219.0
72.5°	199.2	191.8	186.0	181.4	177.7
75°	150.8	149.6	147.5	147.5	143.4
77.5°	110.8	113.6	115.3	114.9	115.7
80°	76.9	82.7	86.0	86.4	86.0
82.5°	48.8	55.4	60.8	61.6	62.4
85°	28.5	33.5	36.8	37.6	36.8
87.5°	12.8	16.1	16.9	17.8	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)