

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: P737707

Luminaire Tested: **14PT-20-PB1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737707  
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-20-PB1-L930  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

**Summary**

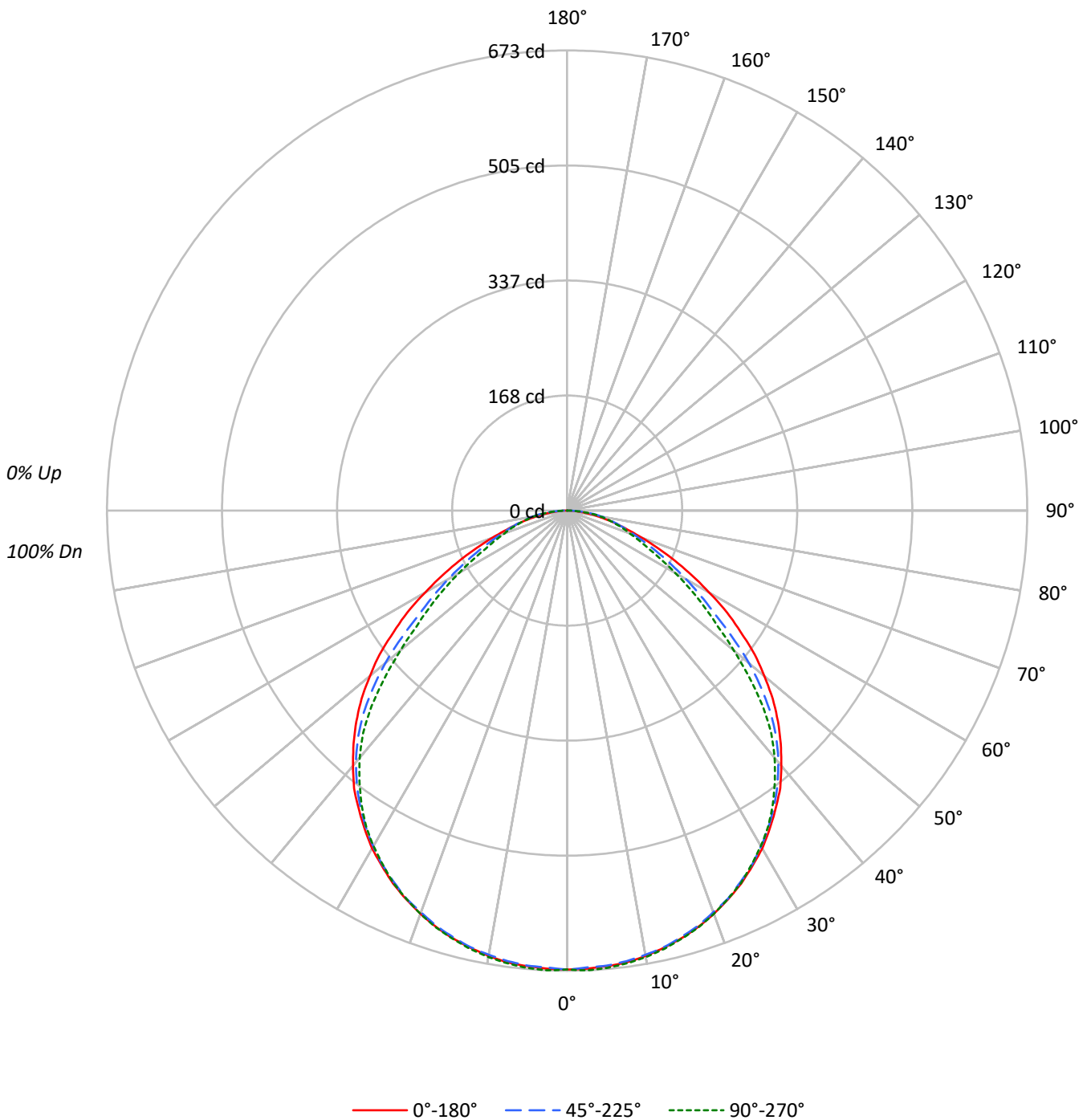
Lumens per Lamp: N/A  
Luminaire Lumens: 1674.0 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	2013	2013	2013
5°	2013	2010	2020
10°	2014	2009	2019
15°	2009	2004	2012
20°	2002	1994	2002
25°	1991	1983	1989
30°	1975	1964	1961
35°	1946	1931	1919
40°	1907	1881	1848
45°	1849	1789	1715
50°	1756	1621	1483
55°	1619	1377	1277
60°	1441	1203	1094
65°	1236	1043	931
70°	1020	920	854
75°	861	880	832
80°	727	898	855
85°	568	908	795



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.7	3.8
10°-20°	182.6	10.9
20°-30°	276.7	16.5
30°-40°	329.7	19.7
40°-50°	322.4	19.3
50°-60°	243.8	14.6
60°-70°	149.8	8.9
70°-80°	79.8	4.8
80°-90°	25.5	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°	523.0	31.2
0°-40°	852.7	50.9
0°-60°	1418.9	84.8
0°-90°	1674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	669	670	668	670	671	64
15°	647	648	646	648	648	183
25°	602	601	600	600	601	277
35°	532	531	528	525	524	333
45°	436	434	422	408	405	335
55°	310	294	263	249	244	277
65°	174	160	147	135	131	173
75°	74	75	76	74	72	80
85°	16	22	26	25	23	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	671.3	671.3	671.3	671.3	671.3
2.5°	670.5	671.3	668.9	672.2	673.0
5°	668.9	669.7	668.0	670.5	671.3
7.5°	666.4	666.4	664.7	667.2	668.0
10°	661.4	661.4	659.8	662.3	663.1
12.5°	654.8	654.8	654.0	655.7	656.5
15°	647.4	648.2	645.7	648.2	648.2
17.5°	638.3	637.5	636.7	638.3	639.1
20°	627.6	627.6	625.1	626.7	627.6
22.5°	615.2	615.2	614.4	615.2	614.4
25°	602.0	601.2	599.5	600.3	601.2
27.5°	586.3	586.3	584.6	584.6	583.8
30°	570.6	569.8	567.3	565.6	566.5
32.5°	551.6	550.8	548.3	546.7	547.5
35°	531.8	531.0	527.7	525.2	524.4
37.5°	512.0	509.5	505.4	502.1	498.8
40°	487.2	484.7	480.6	473.2	472.3
42.5°	462.4	459.9	453.3	444.3	441.8
45°	436.0	433.5	422.0	407.9	404.6
47.5°	407.9	403.8	385.6	368.3	361.7
50°	376.5	369.1	347.6	325.3	317.9
52.5°	346.0	332.8	304.7	284.9	277.5
55°	309.7	294.0	263.4	248.6	244.4
57.5°	277.5	256.0	231.2	216.3	213.0
60°	240.3	220.5	200.7	187.4	182.5
62.5°	206.4	189.1	172.6	161.0	155.2
65°	174.2	160.2	147.0	135.4	131.3
67.5°	142.9	135.4	124.7	115.6	113.1
70°	116.4	112.3	104.9	100.7	97.4
72.5°	92.5	94.1	89.2	87.5	85.1
75°	74.3	75.1	76.0	73.5	71.8
77.5°	56.2	60.3	63.6	61.9	60.3
80°	42.1	46.2	52.0	49.5	49.5
82.5°	28.9	33.9	38.8	37.2	36.3
85°	16.5	21.5	26.4	24.8	23.1
87.5°	6.6	10.7	11.6	11.6	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)