

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: P737743

Luminaire Tested: **14PT-20-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737743
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-20-PW1-L830
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

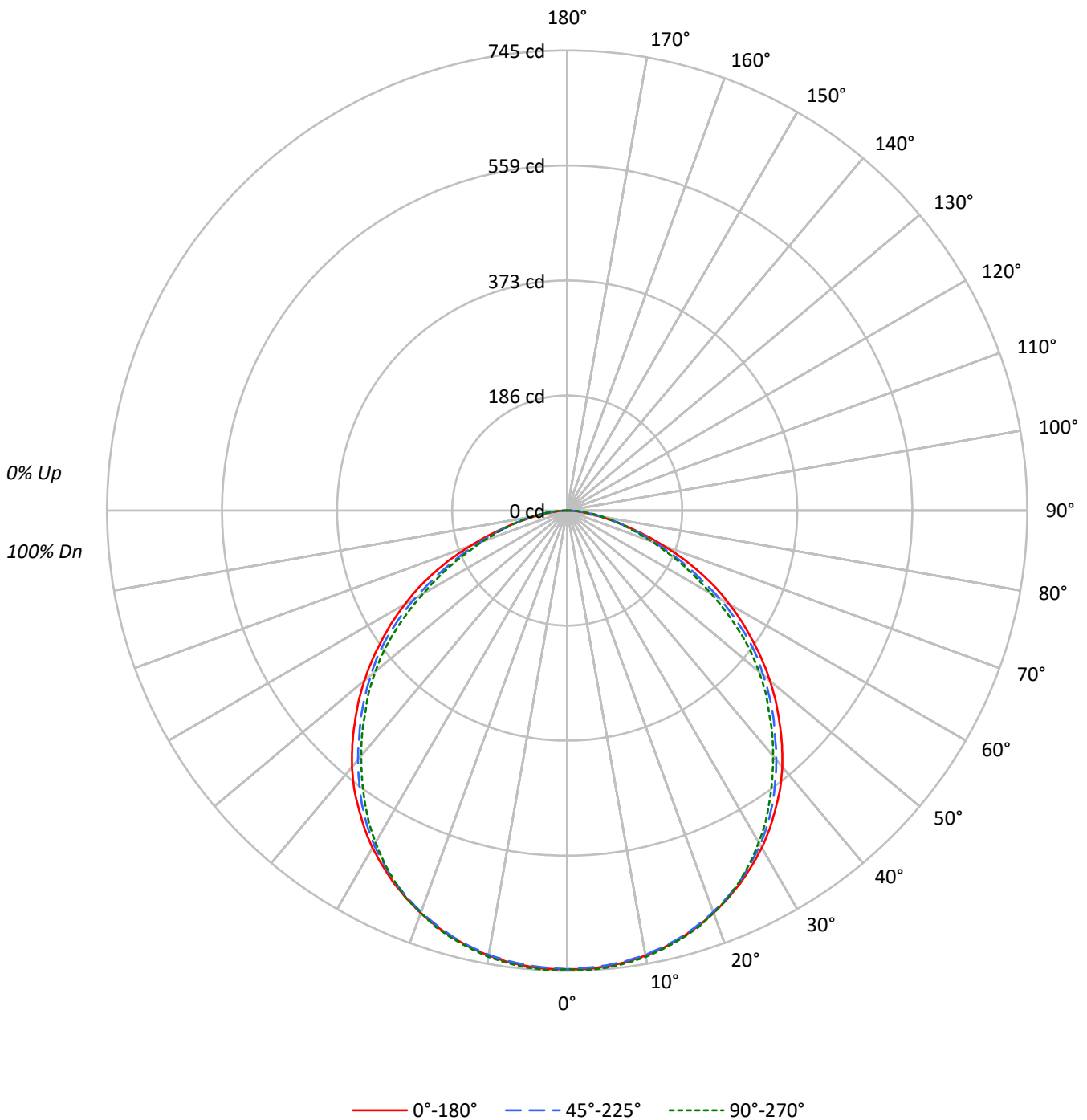
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1971.0 lumens
Efficiency: N/A
Efficacy: 121.7 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): 16.2
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	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	48	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°	2227	2227	2227
5°	2229	2224	2235
10°	2228	2223	2234
15°	2221	2217	2226
20°	2212	2207	2212
25°	2199	2190	2189
30°	2183	2164	2148
35°	2154	2121	2094
40°	2120	2063	2030
45°	2062	2001	1960
50°	2000	1934	1889
55°	1916	1851	1778
60°	1817	1710	1620
65°	1681	1527	1451
70°	1457	1329	1279
75°	1163	1138	1106
80°	884	988	988
85°	654	843	843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.6
10°-20°	202.0	10.2
20°-30°	305.3	15.5
30°-40°	362.5	18.4
40°-50°	365.3	18.5
50°-60°	315.7	16.0
60°-70°	215.8	10.9
70°-80°	106.4	5.4
80°-90°	27.5	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°	577.8	29.3
0°-40°	940.3	47.7
0°-60°	1621.3	82.3
0°-90°	1971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	740	741	739	742	743	70
15°	716	716	714	717	717	202
25°	665	664	662	663	662	306
35°	588	586	580	574	572	368
45°	486	481	472	466	462	375
55°	367	366	354	344	340	328
65°	237	228	215	206	204	234
75°	100	100	98	98	96	109
85°	19	22	24	25	24	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.7	742.7	742.7	742.7	742.7
2.5°	742.5	742.7	740.8	744.1	744.9
5°	740.5	740.8	738.9	741.9	742.7
7.5°	737.0	737.5	735.3	738.3	738.9
10°	731.7	732.0	730.1	733.1	733.7
12.5°	724.6	724.8	723.2	725.9	725.9
15°	715.5	716.3	714.4	716.9	717.1
17.5°	705.3	705.6	703.7	706.4	707.0
20°	693.2	693.2	691.6	693.8	693.2
22.5°	679.7	679.7	677.8	678.9	679.4
25°	664.9	664.3	662.1	662.7	661.6
27.5°	647.8	647.8	643.9	643.9	642.0
30°	630.5	629.1	625.0	622.5	620.6
32.5°	610.6	608.7	603.5	599.1	597.7
35°	588.4	586.4	579.5	574.3	572.1
37.5°	566.9	562.5	553.4	548.2	545.7
40°	541.8	536.3	527.0	519.8	518.7
42.5°	514.9	510.5	498.4	493.1	491.8
45°	486.3	481.0	471.9	466.4	462.3
47.5°	458.2	454.3	443.9	437.3	435.9
50°	428.7	425.4	414.7	407.6	405.1
52.5°	398.2	396.0	386.9	377.8	374.8
55°	366.6	365.5	354.2	343.7	340.1
57.5°	335.5	334.1	320.0	307.9	304.6
60°	303.0	298.9	285.1	273.8	270.2
62.5°	272.2	263.4	248.5	239.7	235.6
65°	236.9	228.4	215.2	205.8	204.5
67.5°	202.3	192.1	181.9	176.1	171.7
70°	166.2	159.3	151.6	146.7	145.9
72.5°	132.6	127.7	123.8	120.8	118.3
75°	100.4	99.6	98.2	98.2	95.5
77.5°	73.8	75.7	76.8	76.5	77.1
80°	51.2	55.0	57.2	57.5	57.2
82.5°	32.5	36.9	40.5	41.0	41.6
85°	19.0	22.3	24.5	25.0	24.5
87.5°	8.5	10.7	11.3	11.8	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)