

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: P737719

Luminaire Tested: **14PT-20-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PL1-L830
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

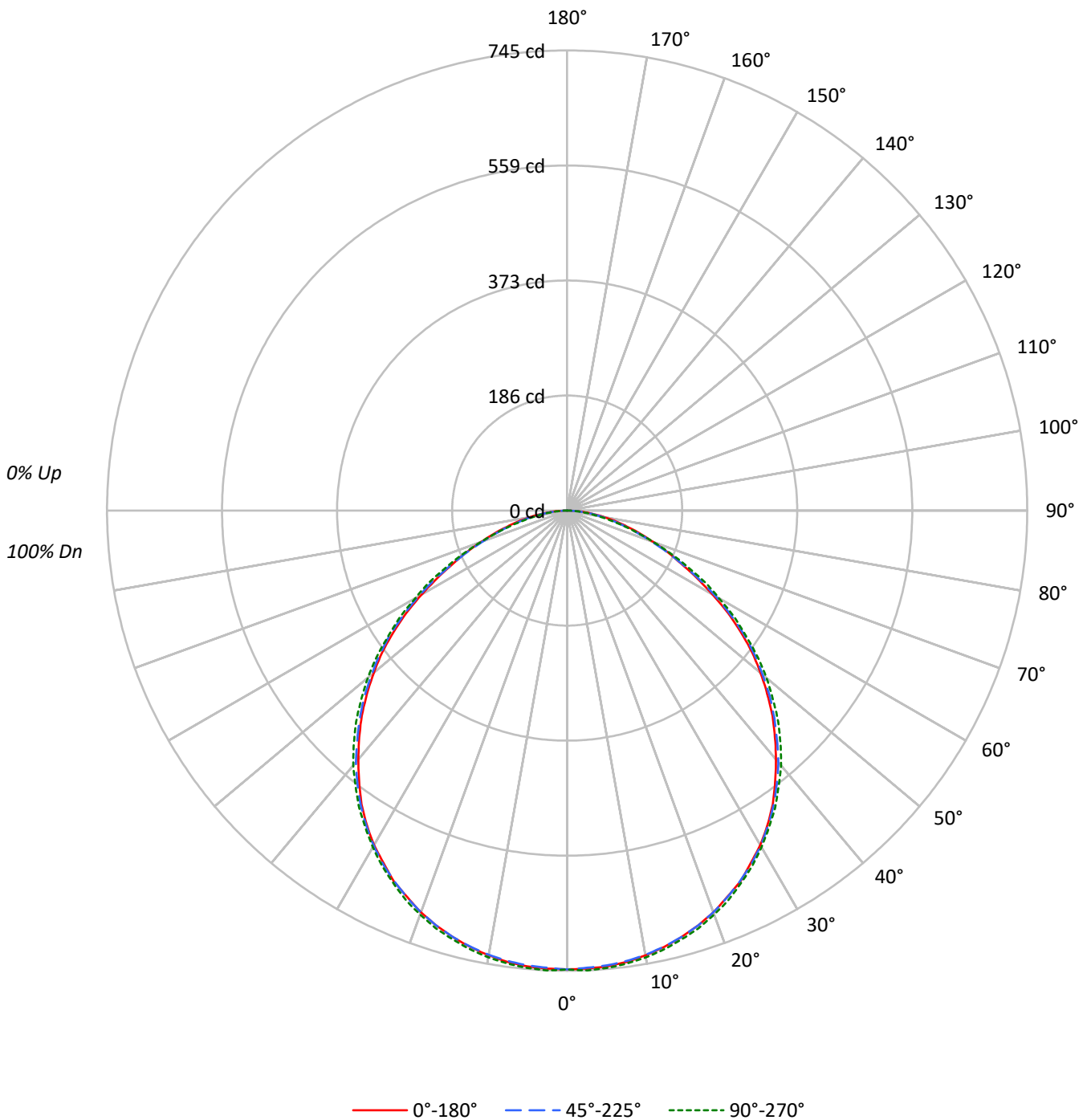
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1958.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2227	2227	2227
5°	2229	2225	2237
10°	2226	2224	2236
15°	2219	2218	2229
20°	2208	2208	2221
25°	2193	2190	2202
30°	2165	2169	2179
35°	2124	2132	2150
40°	2058	2082	2109
45°	1994	2011	2049
50°	1906	1927	1965
55°	1795	1824	1846
60°	1629	1663	1705
65°	1446	1462	1521
70°	1293	1267	1298
75°	1166	1099	1077
80°	1060	984	874
85°	898	815	702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	3.6
10°-20°	202.1	10.3
20°-30°	305.7	15.6
30°-40°	364.4	18.6
40°-50°	366.4	18.7
50°-60°	311.0	15.9
60°-70°	207.0	10.6
70°-80°	103.4	5.3
80°-90°	27.7	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°	578.2	29.5
0°-40°	942.6	48.1
0°-60°	1619.9	82.7
0°-90°	1958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	741	741	739	742	743	70
15°	715	716	715	718	718	202
25°	663	663	662	665	666	305
35°	580	581	583	587	587	362
45°	470	471	474	480	483	362
55°	344	346	349	352	353	306
65°	204	206	206	209	214	204
75°	101	99	95	93	93	108
85°	26	26	24	22	20	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.8	742.8	742.8	742.8	742.8
2.5°	742.2	742.8	740.8	744.4	745.3
5°	740.6	740.8	739.2	742.5	743.3
7.5°	737.0	737.3	735.6	739.2	739.7
10°	731.2	731.8	730.4	733.7	734.5
12.5°	723.8	724.6	723.2	726.8	727.4
15°	715.0	715.8	714.7	717.7	718.3
17.5°	704.2	704.8	704.2	707.0	708.6
20°	692.1	692.1	692.1	694.6	696.0
22.5°	677.0	678.4	677.8	681.1	682.5
25°	663.0	663.0	662.1	665.2	665.7
27.5°	643.4	645.6	645.4	648.1	648.7
30°	625.5	626.1	626.4	628.3	629.4
32.5°	603.8	604.3	605.2	607.9	608.2
35°	580.4	581.0	582.6	586.7	587.3
37.5°	553.2	556.2	557.6	562.0	562.5
40°	525.9	527.8	532.0	536.6	538.8
42.5°	498.1	500.3	502.8	509.1	511.1
45°	470.3	471.1	474.2	480.5	483.3
47.5°	439.5	442.0	444.7	450.2	451.9
50°	408.7	411.4	413.1	418.0	421.3
52.5°	377.6	380.1	382.0	385.0	388.3
55°	343.5	345.9	349.0	352.3	353.1
57.5°	308.8	311.5	313.5	317.0	320.6
60°	271.6	274.7	277.4	280.7	284.3
62.5°	237.0	238.3	241.1	246.6	251.8
65°	203.9	205.6	206.1	209.2	214.4
67.5°	176.4	176.4	173.9	175.0	180.8
70°	147.5	146.4	144.5	143.4	148.1
72.5°	124.1	122.7	118.6	116.7	119.2
75°	100.7	99.3	94.9	92.7	93.0
77.5°	80.9	78.7	75.1	71.3	70.5
80°	61.4	60.5	57.0	53.4	50.6
82.5°	43.5	41.6	39.6	37.4	35.2
85°	26.1	25.6	23.7	22.3	20.4
87.5°	10.7	10.7	10.2	9.6	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)