

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: P737727

Luminaire Tested: **14PT-20-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737727
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-20-PP3-L830
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

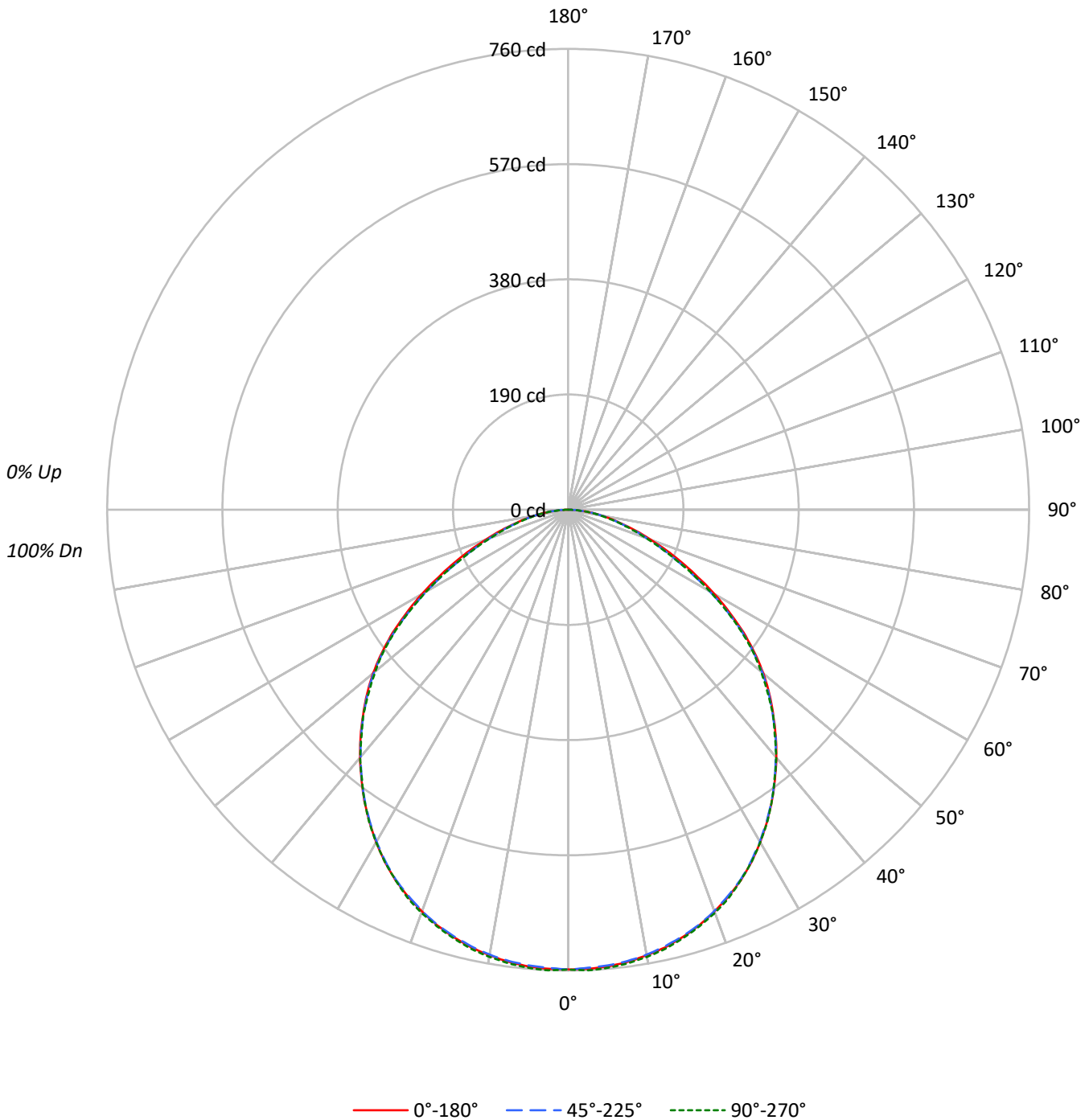
Lumens per Lamp: N/A
Luminaire Lumens: 1959.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2273	2273	2273
5°	2275	2270	2282
10°	2272	2269	2280
15°	2265	2260	2270
20°	2250	2248	2257
25°	2230	2226	2229
30°	2192	2188	2192
35°	2144	2141	2143
40°	2090	2083	2088
45°	2027	2021	2023
50°	1959	1950	1936
55°	1844	1823	1817
60°	1674	1617	1620
65°	1470	1396	1394
70°	1271	1213	1199
75°	1099	1059	1036
80°	974	960	917
85°	805	832	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	3.7
10°-20°	206.0	10.5
20°-30°	310.1	15.8
30°-40°	366.0	18.7
40°-50°	368.1	18.8
50°-60°	310.8	15.9
60°-70°	199.6	10.2
70°-80°	99.3	5.1
80°-90°	27.2	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°	588.0	30.0
0°-40°	954.0	48.7
0°-60°	1632.9	83.4
0°-90°	1959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	756	756	754	758	758	72
15°	730	730	728	732	732	206
25°	674	674	673	674	674	310
35°	586	586	585	586	586	366
45°	478	480	477	477	477	369
55°	353	352	349	347	348	314
65°	207	204	197	195	196	207
75°	95	94	91	90	89	103
85°	23	24	24	23	23	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	758.2	758.2	758.2	758.2	758.2
2.5°	757.9	758.2	756.2	759.8	760.4
5°	756.0	756.2	754.3	757.9	758.4
7.5°	752.1	752.4	750.7	754.0	754.6
10°	746.3	747.2	745.2	748.3	748.8
12.5°	739.2	739.5	737.5	741.1	741.7
15°	729.6	729.8	728.2	731.5	731.5
17.5°	718.5	718.8	717.7	720.5	720.2
20°	705.1	705.9	704.5	706.4	707.5
22.5°	690.5	690.8	689.1	691.6	692.7
25°	674.0	674.2	672.9	674.2	673.7
27.5°	654.7	655.2	653.3	654.7	655.0
30°	633.2	634.6	631.9	633.0	633.2
32.5°	610.1	610.9	609.0	609.3	610.7
35°	585.9	586.2	585.1	585.6	585.6
37.5°	559.8	560.9	559.2	560.0	558.9
40°	533.9	532.8	532.2	532.8	533.6
42.5°	506.6	506.9	506.1	505.5	504.2
45°	478.0	479.7	476.6	477.2	477.2
47.5°	450.0	450.2	448.6	446.9	445.8
50°	420.0	420.0	418.0	416.7	415.0
52.5°	387.2	386.7	384.5	383.1	383.9
55°	352.8	352.5	348.7	347.3	347.6
57.5°	315.1	315.7	309.9	308.5	308.5
60°	279.1	276.3	269.7	267.8	270.2
62.5°	241.3	238.0	230.9	230.9	232.8
65°	207.2	204.2	196.8	194.8	196.5
67.5°	175.3	172.5	165.7	164.6	165.1
70°	145.0	142.6	138.4	135.9	136.8
72.5°	118.9	116.7	113.9	112.0	110.9
75°	94.9	94.4	91.4	90.5	89.4
77.5°	75.1	74.9	72.4	71.3	70.2
80°	56.4	56.1	55.6	53.9	53.1
82.5°	40.2	40.2	39.9	38.5	37.7
85°	23.4	24.2	24.2	22.8	22.8
87.5°	9.4	9.9	9.4	9.4	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)