

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: P738444

Luminaire Tested: **24PT-30-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PL1-L935
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

Summary

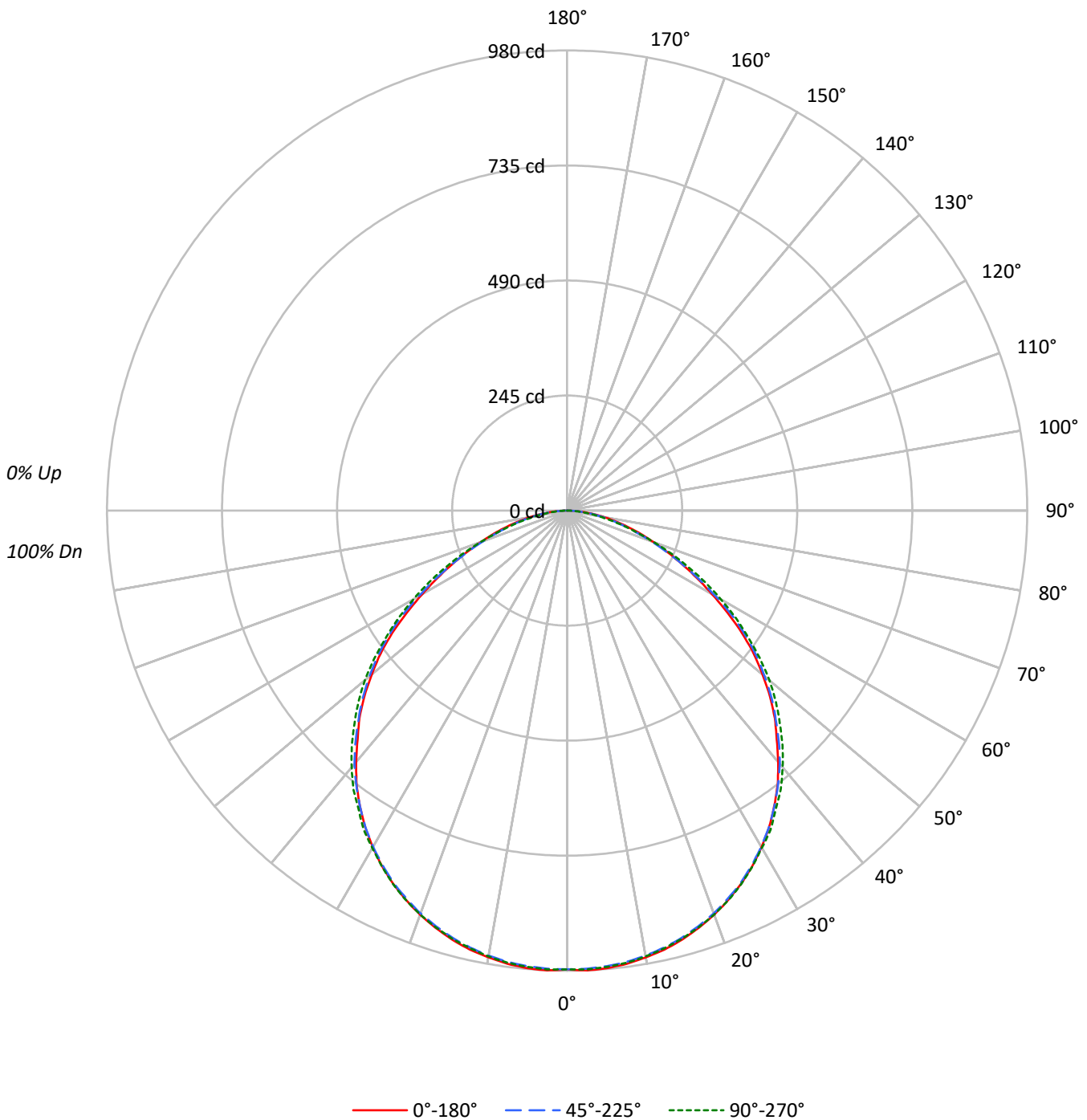
Lumens per Lamp: N/A
Luminaire Lumens: 2586.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.8
Input Voltage (V): NR
Input Current (Ain): 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		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	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	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1401	1401	1401
5°	1408	1402	1404
10°	1407	1401	1404
15°	1404	1399	1401
20°	1397	1393	1396
25°	1387	1384	1388
30°	1371	1369	1373
35°	1346	1346	1357
40°	1309	1319	1337
45°	1268	1274	1299
50°	1211	1225	1255
55°	1137	1158	1176
60°	1021	1046	1085
65°	914	916	965
70°	815	792	820
75°	736	693	680
80°	654	610	538
85°	536	508	421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	3.6
10°-20°	266.1	10.3
20°-30°	403.1	15.6
30°-40°	481.8	18.6
40°-50°	486.0	18.8
50°-60°	412.3	15.9
60°-70°	272.8	10.5
70°-80°	135.4	5.2
80°-90°	35.8	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°	761.9	29.5
0°-40°	1243.7	48.1
0°-60°	2142.0	82.8
0°-90°	2586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	977	977	977	977	977	
5°	978	975	974	973	975	93
15°	946	943	942	942	944	267
25°	877	875	875	874	878	404
35°	769	768	769	773	775	480
45°	625	624	628	637	641	481
55°	455	456	463	468	470	405
65°	269	269	270	278	284	269
75°	133	129	125	121	123	142
85°	33	33	31	28	26	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	977.0	977.0	977.0	977.0	977.0
2.5°	980.3	977.3	976.4	975.9	978.1
5°	978.1	974.7	973.9	973.3	975.3
7.5°	973.6	970.0	969.4	968.8	971.4
10°	966.3	962.9	962.4	961.8	964.1
12.5°	957.6	954.2	953.1	953.4	954.8
15°	946.1	943.0	942.2	942.2	944.1
17.5°	931.8	929.0	928.4	928.1	930.6
20°	915.8	913.0	913.0	913.8	915.2
22.5°	897.5	895.5	894.4	895.0	897.8
25°	876.7	874.8	874.8	874.5	877.6
27.5°	853.7	851.2	851.2	853.4	854.5
30°	827.9	825.6	826.7	828.4	829.5
32.5°	800.1	798.7	799.5	802.0	806.5
35°	768.9	767.8	769.2	773.4	775.1
37.5°	736.3	735.5	737.4	743.1	747.8
40°	699.2	699.2	704.6	709.6	714.1
42.5°	660.8	663.3	667.2	675.1	679.0
45°	625.4	624.5	628.2	636.6	640.6
47.5°	586.1	585.2	590.6	596.5	602.9
50°	543.1	542.8	549.3	554.3	562.5
52.5°	501.3	503.8	508.0	512.5	517.3
55°	454.9	456.1	463.4	467.6	470.4
57.5°	404.9	408.6	417.6	423.8	426.3
60°	356.1	358.3	364.8	375.7	378.3
62.5°	311.7	312.6	316.5	328.8	332.2
65°	269.3	268.7	269.9	278.3	284.5
67.5°	230.8	228.6	228.6	233.1	240.7
70°	194.3	191.0	189.0	190.4	195.7
72.5°	163.7	159.2	154.2	153.3	156.7
75°	132.8	129.2	125.0	121.0	122.7
77.5°	105.9	102.8	98.8	94.4	92.1
80°	79.2	78.1	73.9	69.6	65.2
82.5°	55.3	54.5	51.7	48.3	45.5
85°	32.6	32.6	30.9	28.4	25.6
87.5°	14.6	14.0	14.6	12.4	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)