

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: P738440

Luminaire Tested: **24PT-30-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738440
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-L835
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

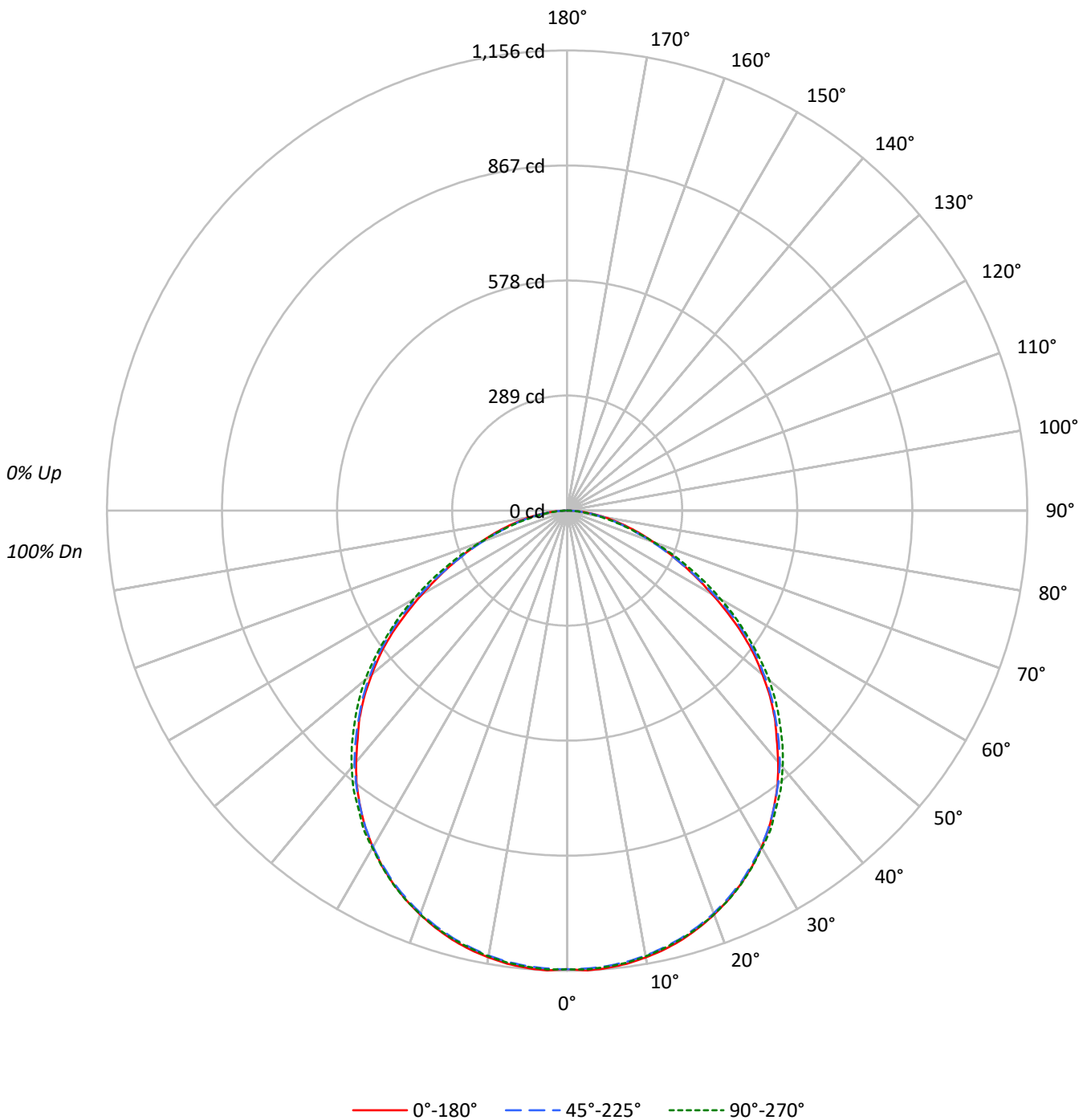
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3050.0 lumens
Efficiency: N/A
Efficacy: 128.2 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 (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	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°	1652	1652	1652
5°	1660	1653	1656
10°	1659	1653	1655
15°	1656	1650	1653
20°	1648	1643	1647
25°	1636	1632	1637
30°	1617	1614	1620
35°	1587	1588	1600
40°	1544	1555	1577
45°	1496	1502	1532
50°	1429	1445	1480
55°	1341	1366	1387
60°	1204	1234	1279
65°	1078	1080	1138
70°	961	934	968
75°	868	817	802
80°	771	719	634
85°	632	599	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.6
10°-20°	313.8	10.3
20°-30°	475.5	15.6
30°-40°	568.2	18.6
40°-50°	573.2	18.8
50°-60°	486.3	15.9
60°-70°	321.8	10.5
70°-80°	159.7	5.2
80°-90°	42.2	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°	898.6	29.5
0°-40°	1466.8	48.1
0°-60°	2526.3	82.8
0°-90°	3050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1154	1150	1149	1148	1150	110
15°	1116	1112	1111	1111	1114	315
25°	1034	1032	1032	1031	1035	476
35°	907	906	907	912	914	567
45°	738	737	741	751	756	567
55°	537	538	546	552	555	477
65°	318	317	318	328	336	317
75°	157	152	147	143	145	168
85°	38	38	36	34	30	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1152.3	1152.3	1152.3	1152.3	1152.3
2.5°	1156.3	1152.6	1151.6	1151.0	1153.6
5°	1153.6	1149.6	1148.6	1148.0	1150.3
7.5°	1148.3	1144.0	1143.3	1142.7	1145.7
10°	1139.7	1135.7	1135.1	1134.4	1137.0
12.5°	1129.4	1125.4	1124.1	1124.5	1126.1
15°	1115.8	1112.2	1111.2	1111.2	1113.5
17.5°	1099.0	1095.6	1095.0	1094.6	1097.6
20°	1080.1	1076.8	1076.8	1077.8	1079.4
22.5°	1058.5	1056.2	1054.9	1055.6	1058.9
25°	1034.0	1031.7	1031.7	1031.4	1035.0
27.5°	1006.9	1003.9	1003.9	1006.5	1007.9
30°	976.4	973.8	975.1	977.1	978.4
32.5°	943.6	942.0	943.0	945.9	951.2
35°	906.9	905.5	907.2	912.2	914.1
37.5°	868.4	867.4	869.8	876.4	882.0
40°	824.7	824.7	831.0	837.0	842.3
42.5°	779.3	782.3	787.0	796.2	800.9
45°	737.6	736.6	740.9	750.9	755.5
47.5°	691.2	690.2	696.5	703.5	711.1
50°	640.6	640.2	647.8	653.8	663.4
52.5°	591.2	594.2	599.2	604.5	610.1
55°	536.6	537.9	546.5	551.5	554.8
57.5°	477.6	481.9	492.5	499.8	502.8
60°	420.0	422.6	430.2	443.2	446.1
62.5°	367.6	368.6	373.3	387.8	391.8
65°	317.6	317.0	318.3	328.2	335.5
67.5°	272.3	269.6	269.6	274.9	283.8
70°	229.2	225.2	222.9	224.6	230.9
72.5°	193.1	187.8	181.8	180.8	184.8
75°	156.7	152.4	147.4	142.8	144.7
77.5°	124.9	121.2	116.6	111.3	108.6
80°	93.4	92.1	87.1	82.1	76.8
82.5°	65.2	64.3	60.9	57.0	53.7
85°	38.4	38.4	36.4	33.5	30.1
87.5°	17.2	16.6	17.2	14.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)