

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: P738480

Luminaire Tested: **24PT-35-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-35-PR1-L835
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

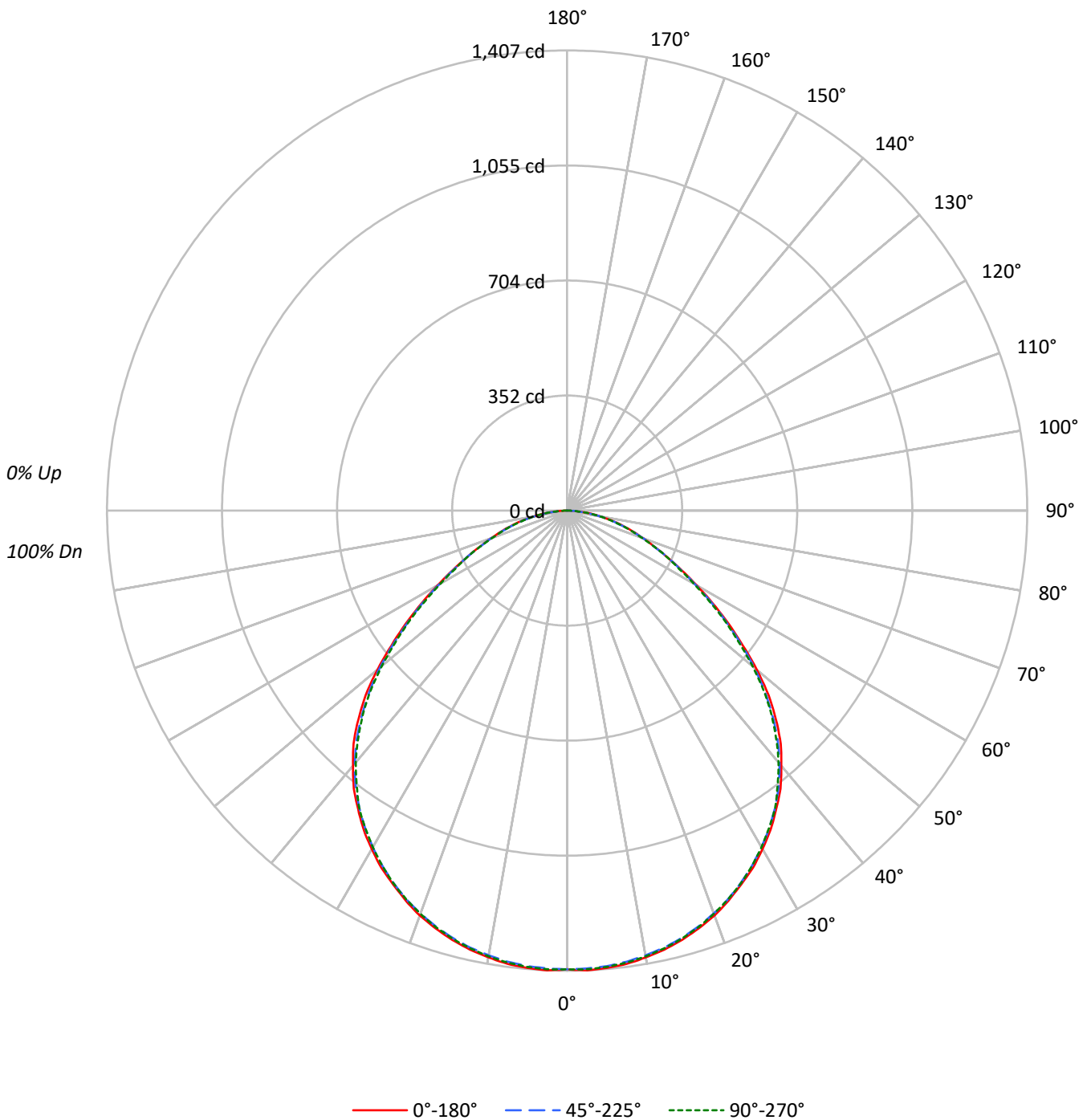
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3572.0 lumens
Efficiency: N/A
Efficacy: 126.7 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): 28.2
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2011	2011	2011
5°	2021	2012	2015
10°	2020	2010	2015
15°	2017	2008	2012
20°	2011	2000	2002
25°	1994	1988	1989
30°	1979	1968	1968
35°	1951	1940	1942
40°	1907	1891	1883
45°	1831	1802	1792
50°	1690	1666	1650
55°	1504	1483	1473
60°	1311	1297	1284
65°	1149	1150	1144
70°	1034	1031	1016
75°	963	935	937
80°	860	844	844
85°	663	683	656



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	3.7
10°-20°	382.0	10.7
20°-30°	579.2	16.2
30°-40°	692.8	19.4
40°-50°	684.0	19.1
50°-60°	532.4	14.9
60°-70°	338.0	9.5
70°-80°	181.4	5.1
80°-90°	49.2	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°	1094.3	30.6
0°-40°	1787.0	50.0
0°-60°	3003.4	84.1
0°-90°	3572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1403	1403	1403	1403	1403	
5°	1404	1399	1398	1397	1400	133
15°	1359	1354	1353	1351	1355	383
25°	1260	1258	1256	1254	1257	581
35°	1115	1112	1108	1105	1109	697
45°	903	897	888	884	884	693
55°	602	599	593	589	589	539
65°	339	340	339	335	337	340
75°	174	171	169	168	169	184
85°	40	41	42	42	40	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1402.6	1402.6	1402.6	1402.6	1402.6
2.5°	1407.3	1402.6	1401.0	1400.2	1403.8
5°	1403.8	1399.4	1397.9	1397.1	1400.2
7.5°	1397.9	1392.8	1391.2	1390.4	1394.0
10°	1387.3	1382.6	1380.6	1380.6	1383.8
12.5°	1374.8	1370.9	1368.9	1367.3	1370.9
15°	1358.7	1354.0	1352.8	1351.3	1355.2
17.5°	1339.5	1334.8	1333.3	1332.5	1335.2
20°	1317.6	1311.7	1310.9	1310.6	1312.1
22.5°	1290.6	1287.5	1285.9	1285.1	1286.3
25°	1260.4	1258.1	1256.5	1254.2	1257.3
27.5°	1231.1	1227.9	1224.0	1222.1	1224.0
30°	1195.0	1191.1	1188.4	1187.6	1188.4
32.5°	1157.8	1153.9	1150.4	1150.0	1149.6
35°	1114.8	1112.4	1108.1	1104.6	1109.3
37.5°	1072.1	1066.6	1062.7	1058.4	1057.2
40°	1018.8	1016.9	1010.2	1006.3	1005.9
42.5°	967.2	958.2	953.5	950.7	946.4
45°	902.9	896.7	888.5	884.1	883.8
47.5°	836.0	828.2	820.3	814.4	816.0
50°	757.7	754.1	746.7	741.6	739.7
52.5°	677.0	676.2	668.4	665.3	661.7
55°	601.8	598.7	593.2	589.3	589.3
57.5°	527.8	525.1	522.3	514.9	514.9
60°	457.3	457.0	452.3	447.9	447.6
62.5°	394.3	396.7	392.3	388.0	385.7
65°	338.7	339.9	339.1	334.8	337.1
67.5°	289.8	290.1	288.6	286.2	287.8
70°	246.7	248.6	245.9	244.3	242.4
72.5°	209.1	208.3	206.0	207.1	204.4
75°	173.9	171.1	168.8	168.4	169.2
77.5°	138.6	137.8	135.9	135.9	134.7
80°	104.2	103.4	102.2	102.6	102.2
82.5°	74.0	72.0	70.5	71.3	71.7
85°	40.3	41.1	41.5	41.5	39.9
87.5°	16.4	16.1	16.4	17.2	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)