

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: P738488

Luminaire Tested: **24PT-35-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-35-PW1-L835
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

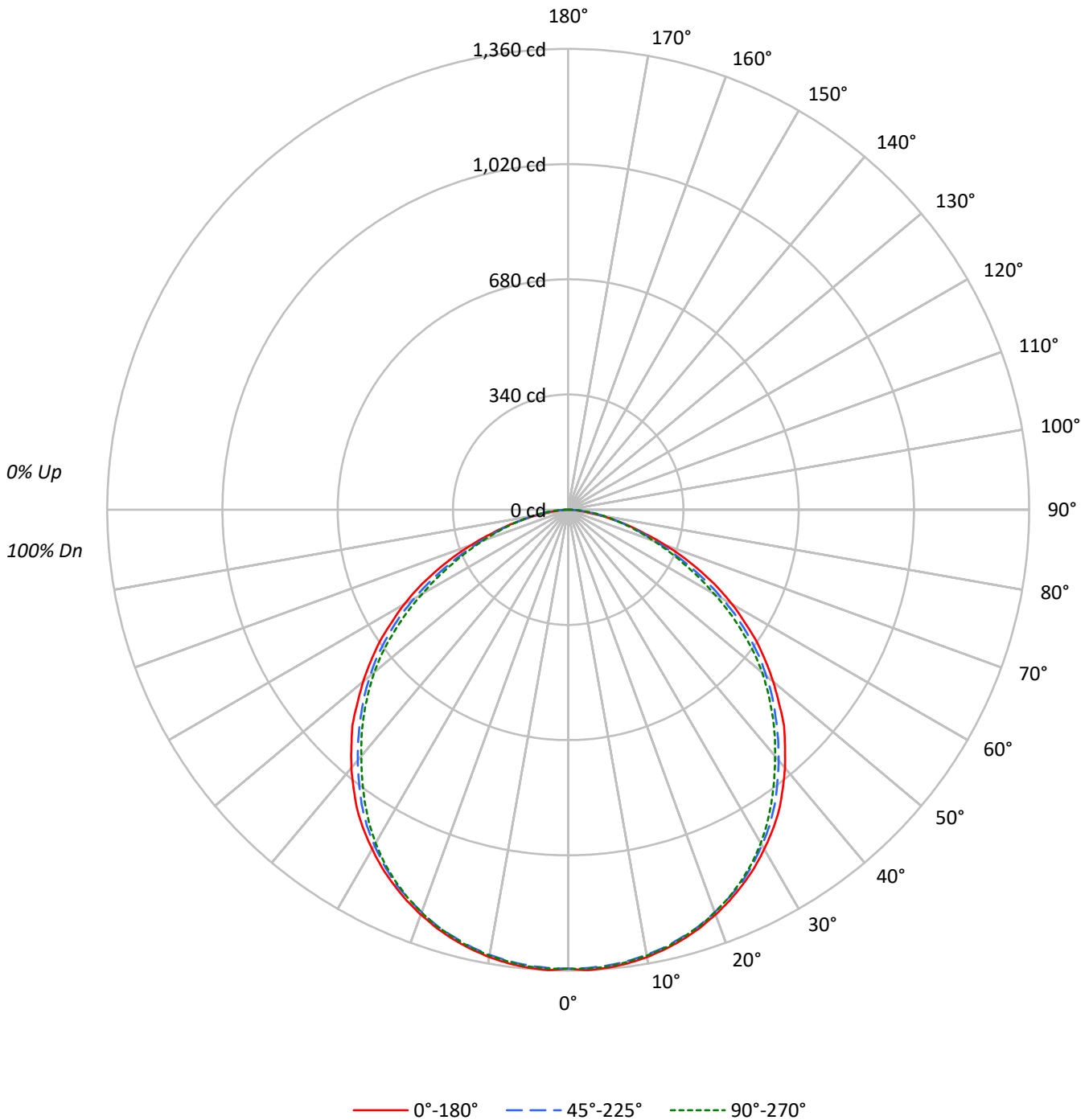
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3612.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1942	1942	1942
5°	1953	1944	1948
10°	1952	1943	1946
15°	1948	1938	1940
20°	1940	1929	1930
25°	1930	1919	1911
30°	1915	1893	1881
35°	1897	1859	1833
40°	1863	1808	1778
45°	1826	1755	1726
50°	1761	1702	1666
55°	1697	1624	1565
60°	1604	1505	1428
65°	1468	1341	1272
70°	1272	1163	1120
75°	1042	1002	989
80°	760	857	883
85°	508	716	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	3.6
10°-20°	368.8	10.2
20°-30°	558.2	15.5
30°-40°	664.2	18.4
40°-50°	670.9	18.6
50°-60°	580.5	16.1
60°-70°	396.6	11.0
70°-80°	195.4	5.4
80°-90°	48.8	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°	1055.5	29.2
0°-40°	1719.7	47.6
0°-60°	2971.2	82.3
0°-90°	3612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1355	1355	1355	1355	1355	
5°	1357	1352	1350	1349	1353	129
15°	1312	1308	1305	1304	1307	370
25°	1220	1215	1213	1208	1208	562
35°	1084	1075	1062	1050	1047	677
45°	900	885	866	856	851	691
55°	679	669	650	636	626	604
65°	433	416	395	382	375	427
75°	188	182	181	180	179	201
85°	31	38	44	45	46	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354.6	1354.6	1354.6	1354.6	1354.6
2.5°	1360.1	1355.0	1353.5	1352.3	1355.8
5°	1357.0	1351.9	1350.3	1349.2	1353.1
7.5°	1350.3	1345.2	1343.7	1342.5	1345.6
10°	1340.5	1335.8	1334.3	1333.1	1336.6
12.5°	1328.0	1323.7	1321.7	1320.2	1324.1
15°	1312.3	1308.0	1305.3	1304.5	1306.9
17.5°	1293.5	1289.2	1287.3	1286.1	1288.8
20°	1271.6	1266.9	1264.2	1262.6	1265.0
22.5°	1247.3	1242.6	1239.1	1237.5	1238.3
25°	1219.9	1215.2	1212.9	1208.2	1208.2
27.5°	1190.5	1185.1	1179.2	1174.1	1174.5
30°	1156.5	1150.2	1143.2	1136.5	1136.1
32.5°	1122.0	1114.2	1105.6	1096.6	1093.8
35°	1084.0	1075.0	1062.1	1050.3	1047.2
37.5°	1039.4	1031.2	1013.9	1004.1	999.0
40°	995.1	983.4	965.8	954.4	949.7
42.5°	946.6	935.2	916.4	905.8	901.9
45°	900.4	885.1	865.5	855.7	851.4
47.5°	842.8	830.3	816.5	805.2	799.7
50°	789.5	779.3	762.9	750.4	746.8
52.5°	733.9	725.3	709.6	693.2	689.3
55°	678.7	669.3	649.7	636.0	626.2
57.5°	616.4	608.2	589.8	572.2	563.6
60°	559.2	545.1	524.8	505.6	497.8
62.5°	497.0	483.3	459.8	440.2	435.9
65°	432.7	416.3	395.2	382.2	374.8
67.5°	367.7	351.7	334.1	325.8	321.1
70°	303.5	290.6	277.3	271.4	267.1
72.5°	241.6	234.2	226.8	224.4	220.5
75°	188.0	182.5	180.9	179.8	178.6
77.5°	135.5	138.2	139.8	141.4	139.8
80°	92.0	97.9	103.8	106.9	106.9
82.5°	56.8	67.0	72.1	75.2	74.8
85°	30.9	38.4	43.5	45.0	46.2
87.5°	12.5	15.7	17.6	19.2	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)