

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: P738481

Luminaire Tested: **24PT-35-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738481
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-L840
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

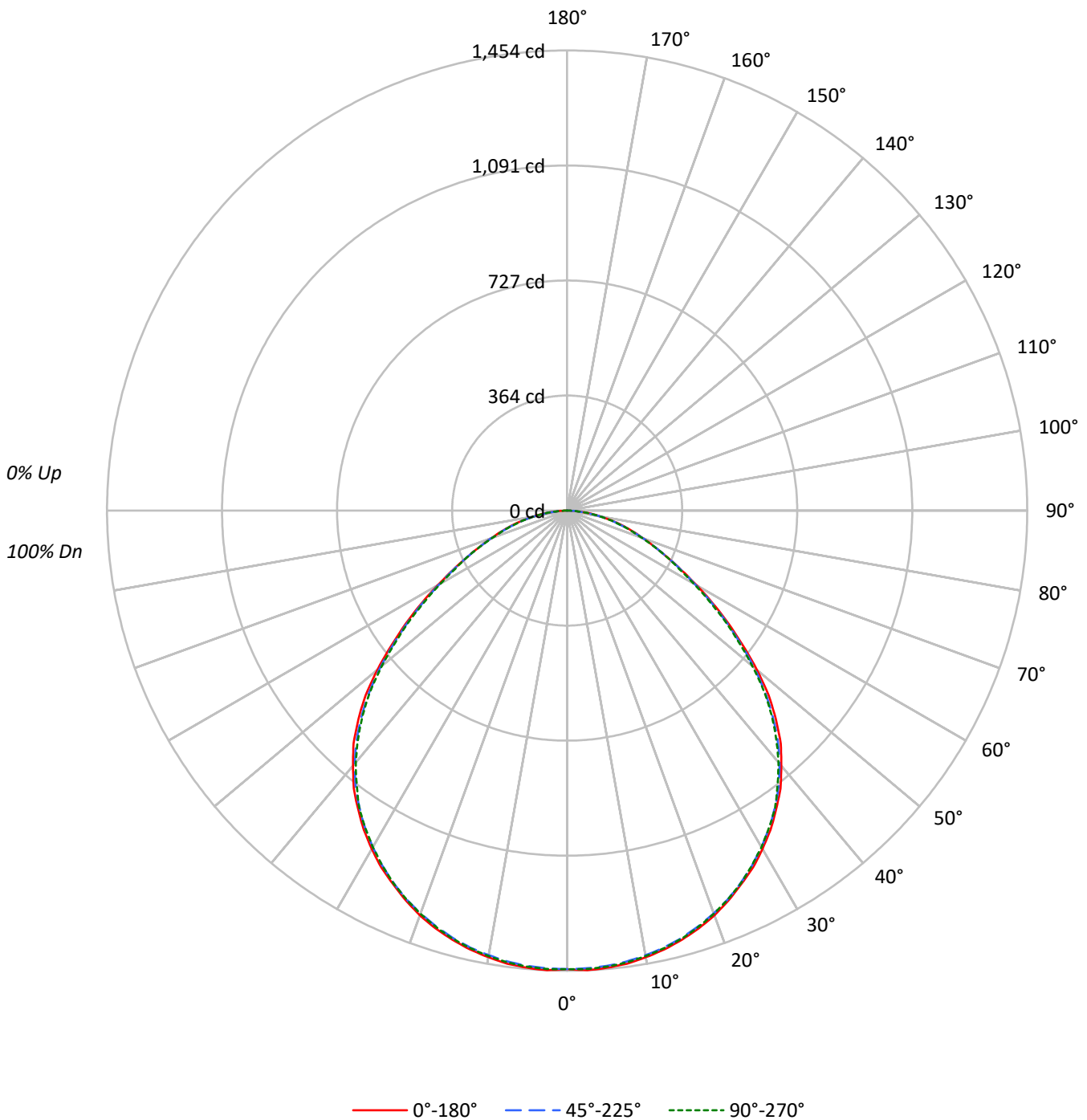
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3690.0 lumens
Efficiency: N/A
Efficacy: 130.9 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°	2078	2078	2078
5°	2087	2079	2082
10°	2087	2077	2081
15°	2084	2075	2078
20°	2077	2067	2068
25°	2060	2054	2055
30°	2044	2033	2033
35°	2016	2004	2006
40°	1970	1953	1945
45°	1892	1861	1851
50°	1746	1721	1704
55°	1554	1532	1522
60°	1355	1340	1326
65°	1187	1188	1182
70°	1068	1065	1050
75°	995	966	968
80°	888	872	872
85°	686	706	679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	3.7
10°-20°	394.7	10.7
20°-30°	598.4	16.2
30°-40°	715.7	19.4
40°-50°	706.6	19.1
50°-60°	550.0	14.9
60°-70°	349.1	9.5
70°-80°	187.4	5.1
80°-90°	50.8	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°	1130.4	30.6
0°-40°	1846.1	50.0
0°-60°	3102.7	84.1
0°-90°	3690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1449	1449	1449	1449	1449	
5°	1450	1446	1444	1443	1446	138
15°	1404	1399	1398	1396	1400	396
25°	1302	1300	1298	1296	1299	601
35°	1152	1149	1145	1141	1146	720
45°	933	926	918	913	913	716
55°	622	618	613	609	609	557
65°	350	351	350	346	348	351
75°	180	177	174	174	175	190
85°	42	42	43	43	41	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1448.9	1448.9	1448.9	1448.9	1448.9
2.5°	1453.8	1448.9	1447.3	1446.5	1450.1
5°	1450.1	1445.7	1444.1	1443.2	1446.5
7.5°	1444.1	1438.8	1437.2	1436.4	1440.0
10°	1433.1	1428.3	1426.3	1426.3	1429.5
12.5°	1420.2	1416.1	1414.1	1412.5	1416.1
15°	1403.6	1398.8	1397.5	1395.9	1400.0
17.5°	1383.8	1378.9	1377.3	1376.5	1379.3
20°	1361.1	1355.1	1354.3	1353.9	1355.5
22.5°	1333.2	1330.0	1328.4	1327.6	1328.8
25°	1302.1	1299.6	1298.0	1295.6	1298.8
27.5°	1271.7	1268.5	1264.5	1262.4	1264.5
30°	1234.5	1230.5	1227.6	1226.8	1227.6
32.5°	1196.1	1192.1	1188.4	1188.0	1187.6
35°	1151.6	1149.2	1144.7	1141.1	1145.9
37.5°	1107.5	1101.9	1097.8	1093.4	1092.1
40°	1052.5	1050.5	1043.6	1039.6	1039.2
42.5°	999.1	989.8	985.0	982.1	977.7
45°	932.8	926.3	917.8	913.4	913.0
47.5°	863.6	855.5	847.4	841.4	843.0
50°	782.7	779.1	771.4	766.1	764.1
52.5°	699.4	698.6	690.5	687.2	683.6
55°	621.7	618.5	612.8	608.8	608.8
57.5°	545.3	542.4	539.6	531.9	531.9
60°	472.5	472.0	467.2	462.7	462.3
62.5°	407.3	409.8	405.3	400.9	398.4
65°	349.9	351.1	350.3	345.8	348.3
67.5°	299.3	299.7	298.1	295.7	297.3
70°	254.8	256.9	254.0	252.4	250.4
72.5°	216.0	215.2	212.8	214.0	211.1
75°	179.6	176.8	174.3	173.9	174.7
77.5°	143.2	142.4	140.4	140.4	139.1
80°	107.6	106.8	105.6	106.0	105.6
82.5°	76.4	74.4	72.8	73.6	74.0
85°	41.7	42.5	42.9	42.9	41.3
87.5°	17.0	16.6	17.0	17.8	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)