

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: P738617

Luminaire Tested: **24PT-60-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738617
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-60-PW1-L840
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

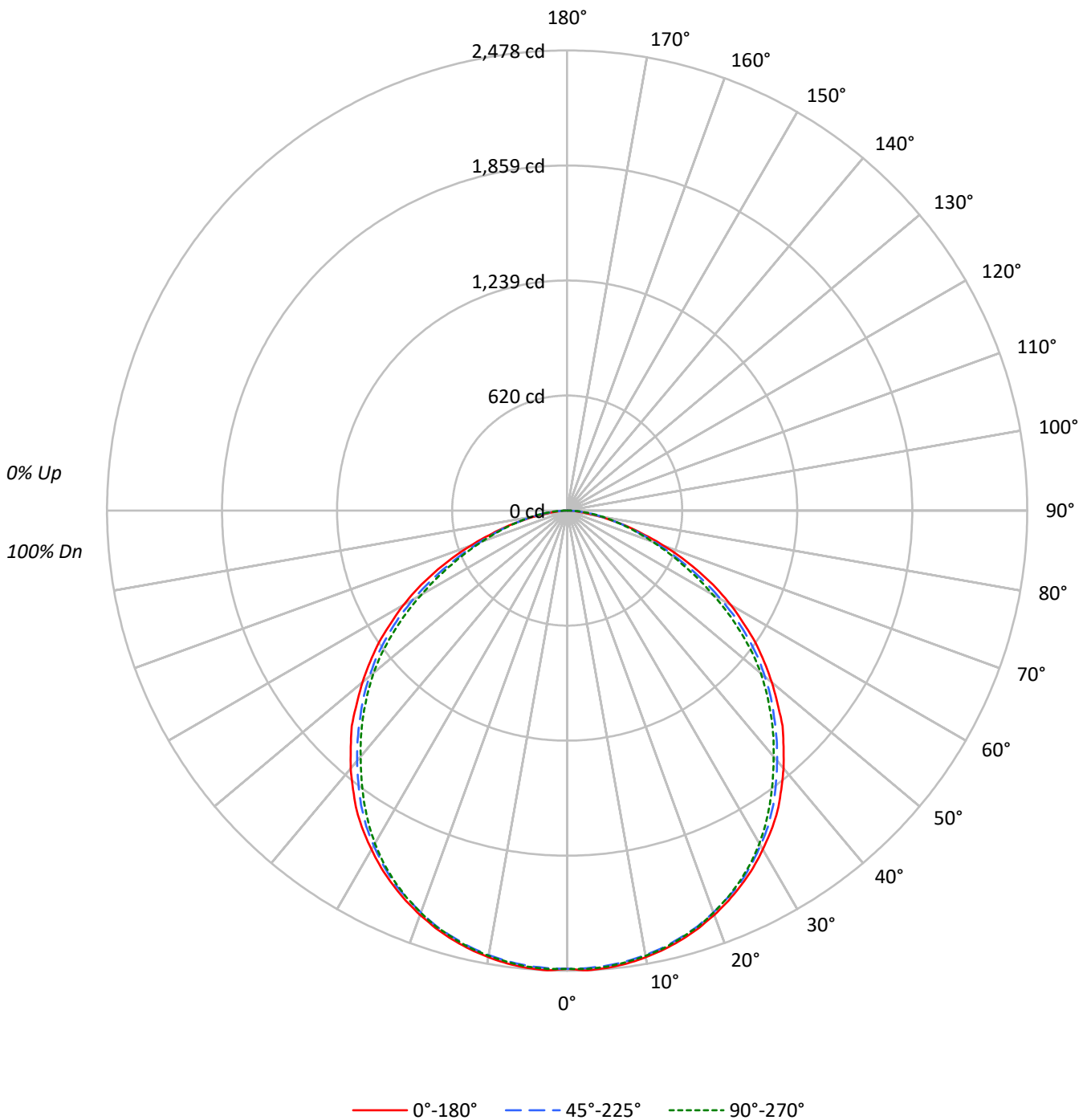
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6581.0 lumens
Efficiency: N/A
Efficacy: 129.8 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): 50.7
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

TEST NUMBER: P738617
CATALOG NUMBER: 24PT-60-PW1-L840

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°	3539	3539	3539
5°	3559	3541	3548
10°	3556	3539	3546
15°	3549	3530	3535
20°	3535	3515	3517
25°	3517	3496	3483
30°	3489	3448	3427
35°	3457	3387	3340
40°	3394	3294	3239
45°	3326	3198	3146
50°	3209	3101	3035
55°	3091	2959	2852
60°	2922	2742	2601
65°	2675	2443	2317
70°	2318	2118	2040
75°	1897	1827	1803
80°	1385	1561	1609
85°	928	1303	1385



TEST NUMBER: P738617

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	3.6
10°-20°	672.0	10.2
20°-30°	1017.0	15.5
30°-40°	1210.2	18.4
40°-50°	1222.4	18.6
50°-60°	1057.7	16.1
60°-70°	722.6	11.0
70°-80°	356.1	5.4
80°-90°	89.0	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°	1923.1	29.2
0°-40°	3133.3	47.6
0°-60°	5413.4	82.3
0°-90°	6581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2472	2463	2460	2458	2465	235
15°	2391	2383	2378	2377	2381	675
25°	2223	2214	2210	2201	2201	1024
35°	1975	1959	1935	1914	1908	1233
45°	1640	1613	1577	1559	1551	1260
55°	1237	1219	1184	1159	1141	1101
65°	788	758	720	696	683	779
75°	342	332	330	328	325	366
85°	56	70	79	82	84	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2468.1	2468.1	2468.1	2468.1	2468.1
2.5°	2478.1	2468.8	2466.0	2463.8	2470.3
5°	2472.4	2463.1	2460.3	2458.1	2465.3
7.5°	2460.3	2451.0	2448.2	2446.0	2451.7
10°	2442.4	2433.9	2431.0	2428.9	2435.3
12.5°	2419.6	2411.8	2408.2	2405.3	2412.5
15°	2391.1	2383.2	2378.2	2376.8	2381.1
17.5°	2356.8	2349.0	2345.4	2343.3	2348.3
20°	2316.9	2308.3	2303.3	2300.4	2304.7
22.5°	2272.6	2264.1	2257.6	2254.8	2256.2
25°	2222.7	2214.1	2209.8	2201.3	2201.3
27.5°	2169.2	2159.2	2148.5	2139.2	2139.9
30°	2107.1	2095.7	2082.8	2070.7	2070.0
32.5°	2044.3	2030.0	2014.3	1997.9	1992.9
35°	1975.1	1958.7	1935.1	1913.7	1908.0
37.5°	1893.7	1878.7	1847.4	1829.5	1820.2
40°	1813.1	1791.7	1759.6	1738.9	1730.3
42.5°	1724.6	1703.9	1669.7	1650.4	1643.3
45°	1640.4	1612.6	1576.9	1559.1	1551.2
47.5°	1535.5	1512.7	1487.7	1467.0	1457.0
50°	1438.5	1419.9	1390.0	1367.1	1360.7
52.5°	1337.2	1321.5	1292.9	1263.0	1255.8
55°	1236.6	1219.4	1183.8	1158.8	1140.9
57.5°	1123.1	1108.1	1074.6	1042.5	1026.8
60°	1018.9	993.2	956.1	921.2	906.9
62.5°	905.5	880.5	837.7	802.0	794.2
65°	788.5	758.5	720.0	696.4	682.9
67.5°	670.0	640.8	608.6	593.7	585.1
70°	553.0	529.4	505.2	494.5	486.6
72.5°	440.3	426.7	413.1	408.9	401.7
75°	342.5	332.5	329.7	327.5	325.4
77.5°	246.9	251.9	254.7	257.6	254.7
80°	167.7	178.4	189.1	194.8	194.8
82.5°	103.5	122.0	131.3	137.0	136.3
85°	56.4	69.9	79.2	82.1	84.2
87.5°	22.8	28.5	32.1	35.0	36.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)