

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: P737897

Luminaire Tested: **14PT-60-PC3-L840**

Issue Date: 2/8/2024



**Test Information**

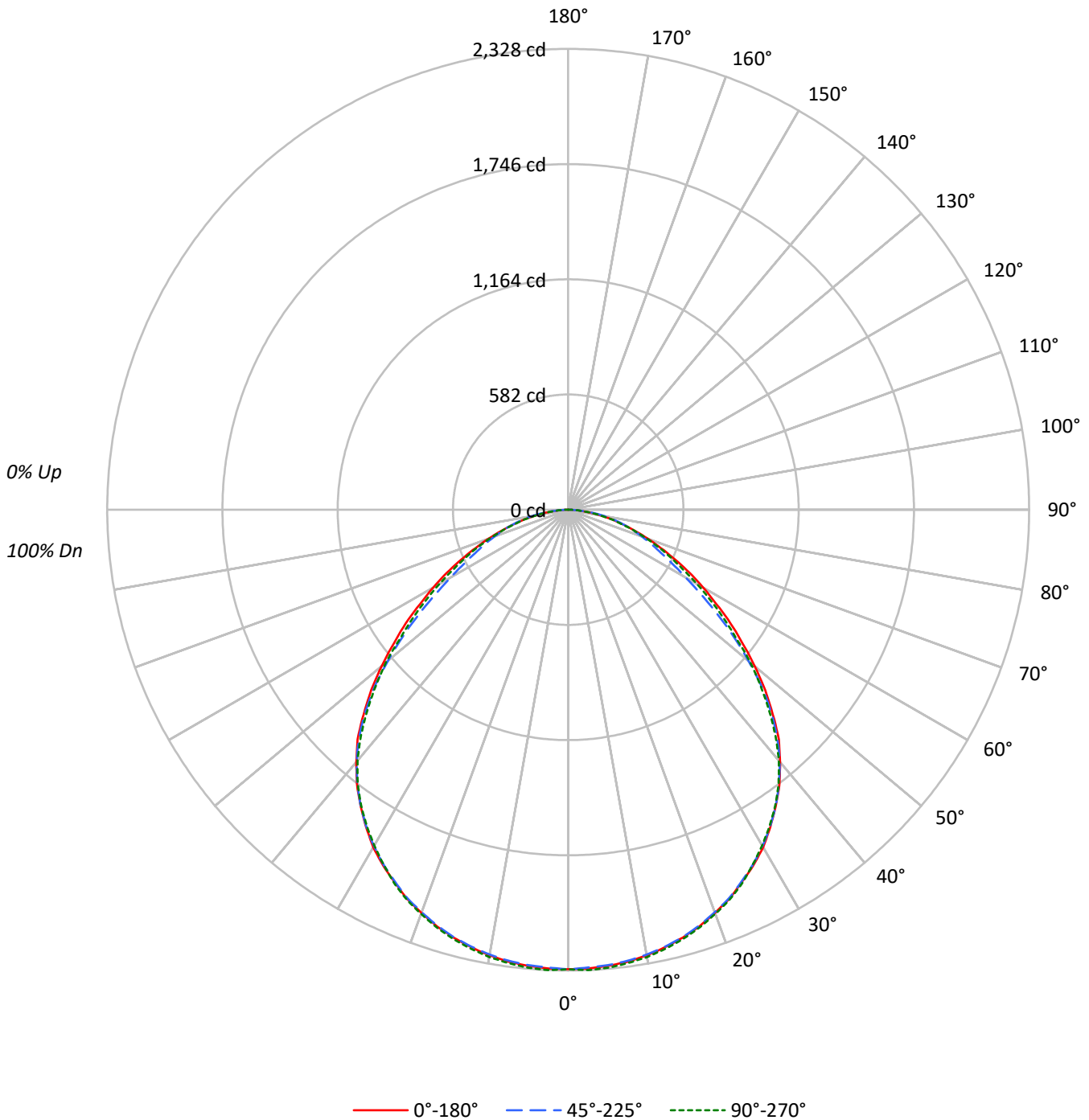
Test Method: LM-79-08  
Report Number: P737897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PC3-L840  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5852.0 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 49.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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					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	90	80	73	68	77	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
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	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29					27				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6959	6959	6959
5°	6961	6949	6989
10°	6961	6948	6986
15°	6945	6937	6968
20°	6913	6903	6932
25°	6866	6855	6883
30°	6815	6792	6780
35°	6691	6685	6673
40°	6515	6505	6476
45°	6195	6150	6086
50°	5735	5542	5603
55°	5234	4808	5025
60°	4720	4102	4500
65°	4217	3669	4046
70°	3740	3471	3639
75°	3308	3366	3241
80°	2852	3211	2838
85°	2143	2542	2143



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.2	3.8
10°-20°	631.9	10.8
20°-30°	956.8	16.3
30°-40°	1140.7	19.5
40°-50°	1114.6	19.0
50°-60°	852.2	14.6
60°-70°	547.2	9.3
70°-80°	304.4	5.2
80°-90°	84.1	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°	1808.9	30.9
0°-40°	2949.5	50.4
0°-60°	4916.4	84.0
0°-90°	5852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2321	2321	2321	2321	2321	
5°	2313	2315	2309	2320	2322	220
15°	2238	2239	2235	2242	2245	631
25°	2076	2078	2072	2079	2081	957
35°	1828	1830	1826	1826	1823	1142
45°	1461	1464	1450	1447	1436	1124
55°	1001	966	920	932	961	895
65°	594	549	517	535	570	593
75°	286	288	291	286	280	305
85°	62	73	74	71	62	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2321.3	2321.3	2321.3	2321.3	2321.3
2.5°	2319.7	2320.5	2314.7	2324.6	2328.0
5°	2313.0	2314.7	2308.9	2319.7	2322.2
7.5°	2303.1	2304.7	2298.9	2309.7	2310.5
10°	2286.5	2287.3	2282.3	2293.1	2294.8
12.5°	2264.0	2266.5	2260.7	2270.7	2271.5
15°	2237.5	2239.1	2235.0	2242.4	2244.9
17.5°	2205.9	2206.8	2202.6	2210.9	2211.7
20°	2166.9	2166.9	2163.6	2172.7	2172.7
22.5°	2127.0	2124.6	2123.7	2127.0	2132.0
25°	2075.6	2078.1	2072.3	2078.9	2080.6
27.5°	2025.8	2025.8	2020.8	2024.1	2019.9
30°	1968.5	1965.2	1961.8	1962.7	1958.5
32.5°	1899.6	1899.6	1897.9	1897.9	1892.9
35°	1828.2	1829.8	1826.5	1825.7	1823.2
37.5°	1751.8	1754.3	1748.5	1746.8	1745.1
40°	1664.6	1664.6	1662.1	1658.8	1654.6
42.5°	1574.1	1574.1	1563.3	1555.0	1549.2
45°	1461.2	1464.5	1450.4	1447.1	1435.5
47.5°	1349.1	1346.6	1327.5	1325.0	1318.4
50°	1229.6	1215.5	1188.1	1195.5	1201.3
52.5°	1110.0	1092.6	1052.7	1061.0	1071.0
55°	1001.3	966.4	919.9	931.5	961.4
57.5°	887.5	841.0	794.5	816.1	853.5
60°	787.1	734.8	684.1	707.4	750.5
62.5°	690.8	635.1	594.4	616.9	653.4
65°	594.4	548.8	517.2	534.7	570.4
67.5°	506.4	475.7	454.1	462.4	491.5
70°	426.7	407.6	396.0	398.5	415.1
72.5°	351.2	346.2	342.1	342.1	343.7
75°	285.6	288.1	290.6	286.4	279.8
77.5°	225.0	233.3	239.1	230.8	222.5
80°	165.2	178.5	186.0	176.8	164.4
82.5°	112.9	127.9	130.3	124.5	110.4
85°	62.3	73.1	73.9	71.4	62.3
87.5°	23.2	27.4	29.9	27.4	24.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)