

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: LUMARK

Report Number: G2-2103-196-2

Luminaire Tested: **CLCS17**

Test Date: 4/6/2021

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: G2-2103-196-2
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 4/6/2021
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: CLCS17
Description: FIXED CCT CANOPY, 56W, 4000K
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7731.8 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 0.83' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U2 - G2

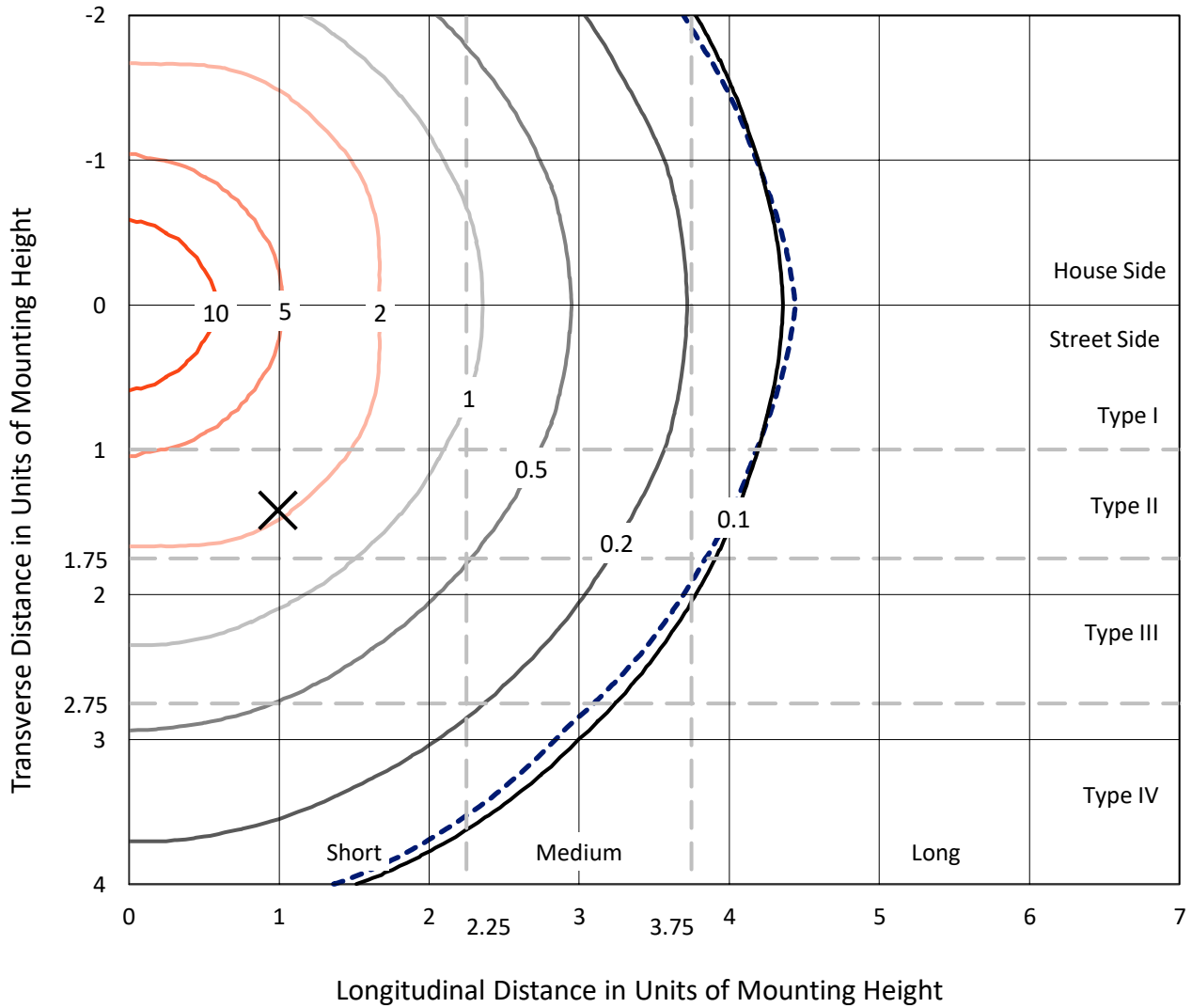
Input Watts (W): 56.6
Input Voltage (V): 120.0
Input Current (A_{in}): 0.475
Voltage Rise (V): NR
Power Factor: 0.9938
Total Harmonic Distortion (THDi): 9.05%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.1
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

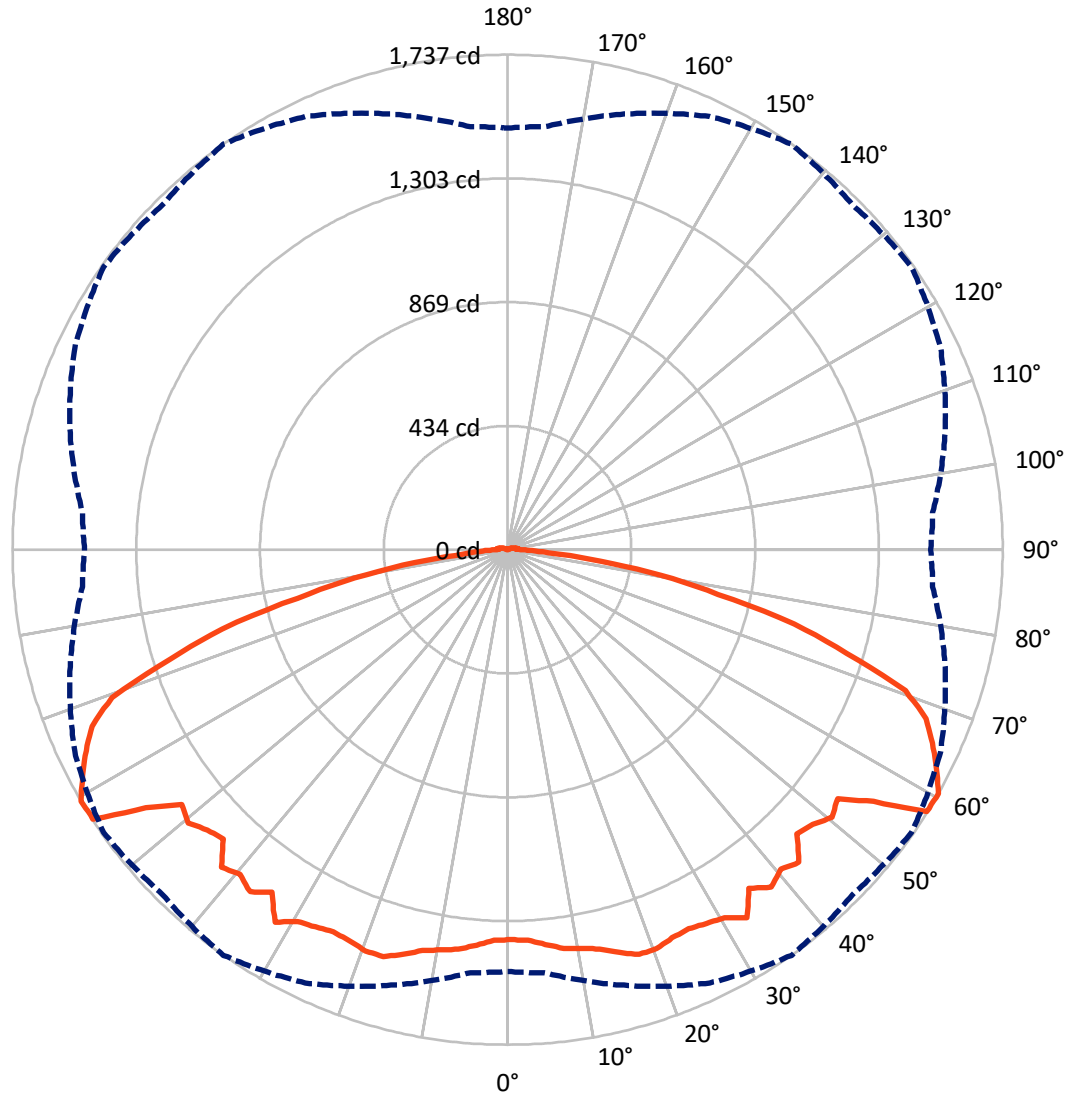
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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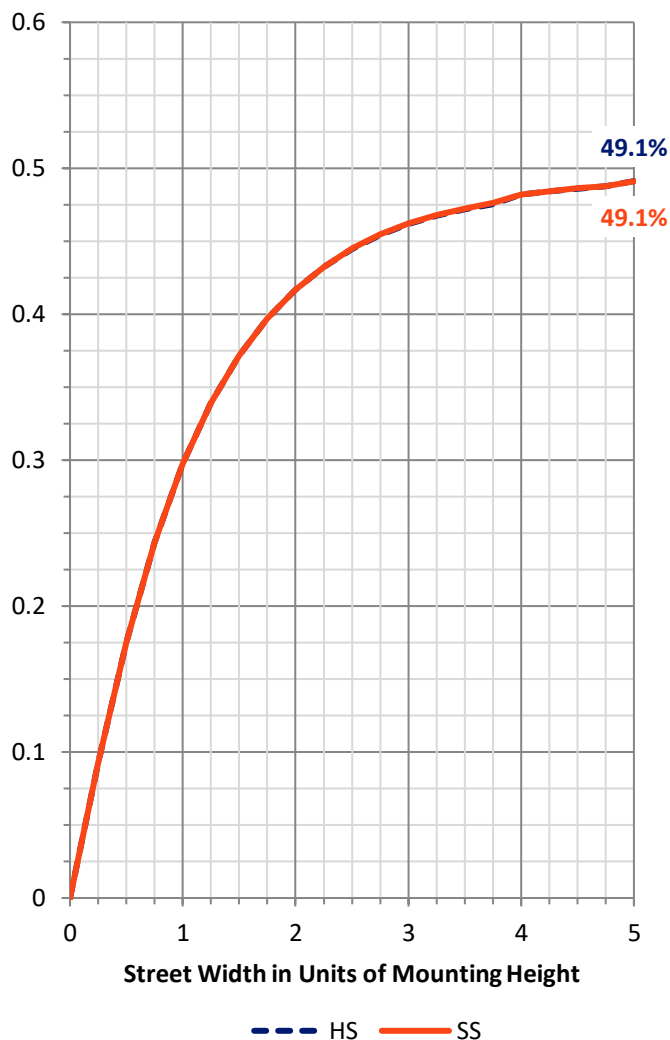
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3835.5	30.4	3865.9
	% Fixture	49.6	0.4	50.0
Street Side	Lumens	3835.5	30.4	3865.9
	% Fixture	49.6	0.4	50.0
Total	Lumens	7671.0	60.9	7731.8
	% Fixture	99.2	0.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	1.7
10°-20°	416.2	5.4
20°-30°	700.1	9.1
30°-40°	951.8	12.3
40°-50°	1137.1	14.7
50°-60°	1355.8	17.5
60°-70°	1618.7	20.9
70°-80°	1110.5	14.4
80°-90°	246.6	3.2
90°-100°	34.2	0.4
100°-110°	19.6	0.3
110°-120°	6.3	0.1
120°-130°	0.8	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°-90°	7671.0	99.2
0°-180°	7731.8	100.0

Coefficient of Utilization

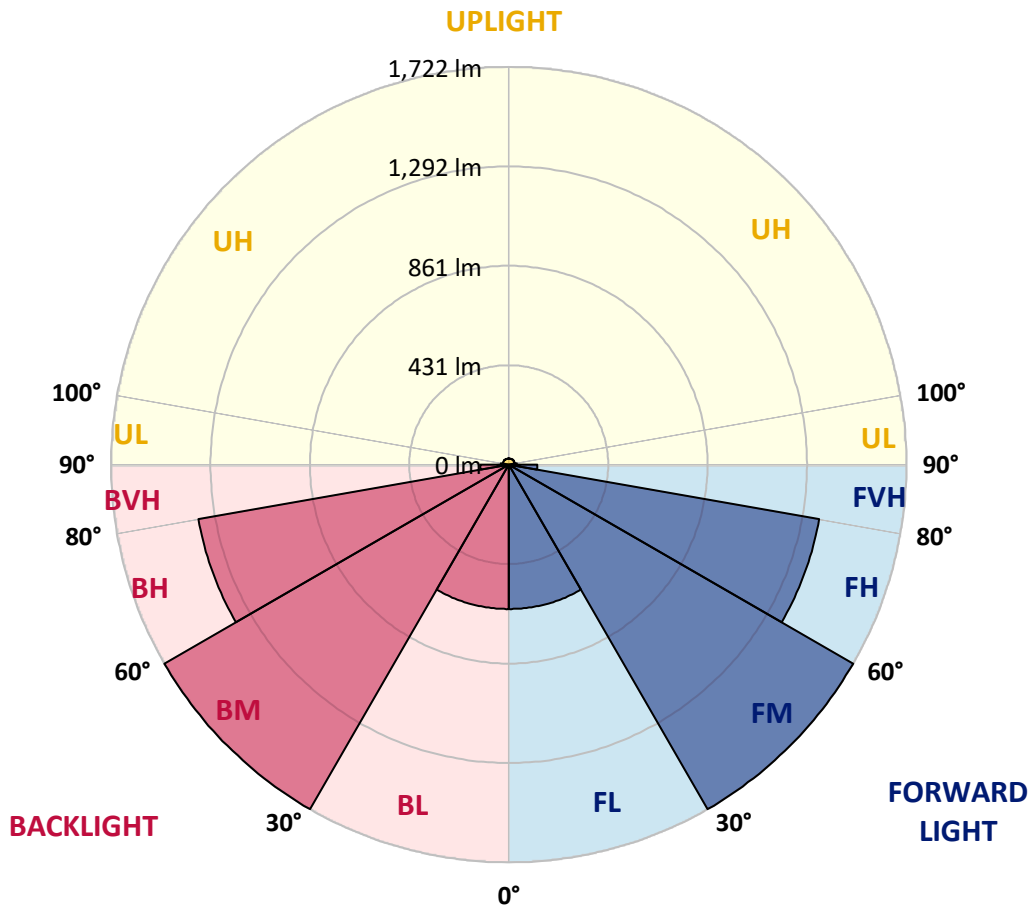


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.2	8.1			
FM (30°-60°)	1722.3	22.3			
FH (60°-80°)	1364.6	17.6			G1/1800
FVH (80°-90°)	123.3	1.6			G2/225
BL (0°-30°)	625.2	8.1	B2/1000		
BM (30°-60°)	1722.3	22.3	B2/2500		
BH (60°-80°)	1364.6	17.6	B3/2500		G1/1800
BVH (80°-90°)	123.3	1.6			G2/225
UL (90°-100°)	34.2	0.4		U2/50	
UH (100°-180°)	26.7	0.3		U2/50	

BUG Rating: B3-U2-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1368	1368	1368	1368	1368	1368	1368	1368	1368	1368	1368
2.5°	1373	1373	1372	1371	1371	1371	1371	1371	1371	1371	1370
5°	1398	1397	1396	1393	1391	1390	1391	1393	1396	1395	1396
7.5°	1420	1419	1417	1414	1412	1411	1412	1414	1417	1416	1415
10°	1435	1432	1429	1424	1423	1421	1423	1425	1427	1431	1432
12.5°	1442	1441	1442	1439	1437	1437	1437	1439	1440	1440	1439
15°	1454	1454	1459	1466	1466	1470	1465	1463	1461	1453	1454
17.5°	1476	1475	1488	1497	1493	1493	1493	1495	1489	1475	1475
20°	1502	1505	1526	1517	1493	1480	1493	1516	1526	1501	1493
22.5°	1537	1535	1529	1504	1479	1467	1478	1501	1531	1538	1543
25°	1562	1554	1528	1501	1473	1477	1468	1501	1528	1551	1560
27.5°	1595	1570	1530	1495	1485	1477	1486	1493	1526	1573	1580
30°	1585	1577	1530	1500	1498	1514	1498	1504	1525	1570	1584
32.5°	1546	1562	1521	1538	1540	1505	1542	1535	1523	1560	1556
35°	1542	1538	1531	1526	1459	1479	1467	1522	1534	1538	1536
37.5°	1535	1521	1556	1468	1502	1484	1493	1469	1547	1524	1544
40°	1514	1526	1489	1492	1475	1483	1474	1495	1489	1527	1519
42.5°	1497	1525	1487	1490	1499	1468	1503	1498	1481	1520	1501
45°	1530	1463	1461	1486	1422	1427	1428	1477	1473	1467	1514
47.5°	1468	1460	1482	1418	1441	1460	1430	1437	1479	1457	1472
50°	1419	1439	1418	1428	1475	1485	1469	1436	1427	1440	1427
52.5°	1418	1413	1413	1435	1450	1463	1439	1447	1404	1417	1404
55°	1406	1405	1427	1437	1558	1689	1547	1442	1428	1405	1424
57.5°	1442	1441	1454	1623	1734	1721	1732	1641	1466	1441	1450
60°	1480	1489	1582	1677	1737	1711	1730	1676	1589	1497	1484
62.5°	1569	1570	1673	1694	1688	1663	1684	1697	1685	1591	1583
65°	1664	1682	1695	1644	1638	1630	1645	1647	1693	1695	1681
67.5°	1655	1673	1658	1595	1584	1565	1589	1598	1666	1673	1671
70°	1578	1576	1563	1524	1481	1463	1482	1518	1574	1590	1602
72.5°	1396	1382	1365	1309	1244	1241	1248	1317	1386	1395	1408
75°	1115	1126	1097	1049	1040	1024	1039	1039	1125	1131	1135
77.5°	816	827	760	773	756	738	758	780	779	829	845
80°	531	546	551	549	546	548	556	558	554	548	535
82.5°	370	395	395	350	329	323	325	355	400	395	380
85°	157	165	166	158	147	147	144	162	174	167	165
87.5°	81	86	92	93	86	85	82	89	95	84	80
90°	42	45	51	51	46	45	46	49	50	44	42
92.5°	24	26	33	35	34	34	34	34	32	26	25
95°	23	24	27	29	30	31	30	28	26	24	23
97.5°	21	23	26	33	36	37	35	31	27	22	21
100°	20	21	24	25	27	27	27	25	24	20	19
102.5°	13	14	23	26	28	28	28	26	22	14	13
105°	10	11	16	19	23	23	22	19	16	11	10
107.5°	6	7	12	18	20	19	20	18	12	7	6
110°	5	5	8	14	19	18	19	14	8	5	5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4	4	6	8	13	15	13	8	6	4	4
115°	3	3	4	6	8	8	7	6	4	3	3
117.5°	1	2	3	4	6	6	5	4	3	1	1
120°	0	0	2	3	4	4	3	3	2	0	0
122.5°	0	0	1	2	3	3	3	2	0	0	0
125°	1	0	0	1	1	1	1	1	1	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)