

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: P506672

Luminaire Tested: **24PD-45-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-45-PW1-L950
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

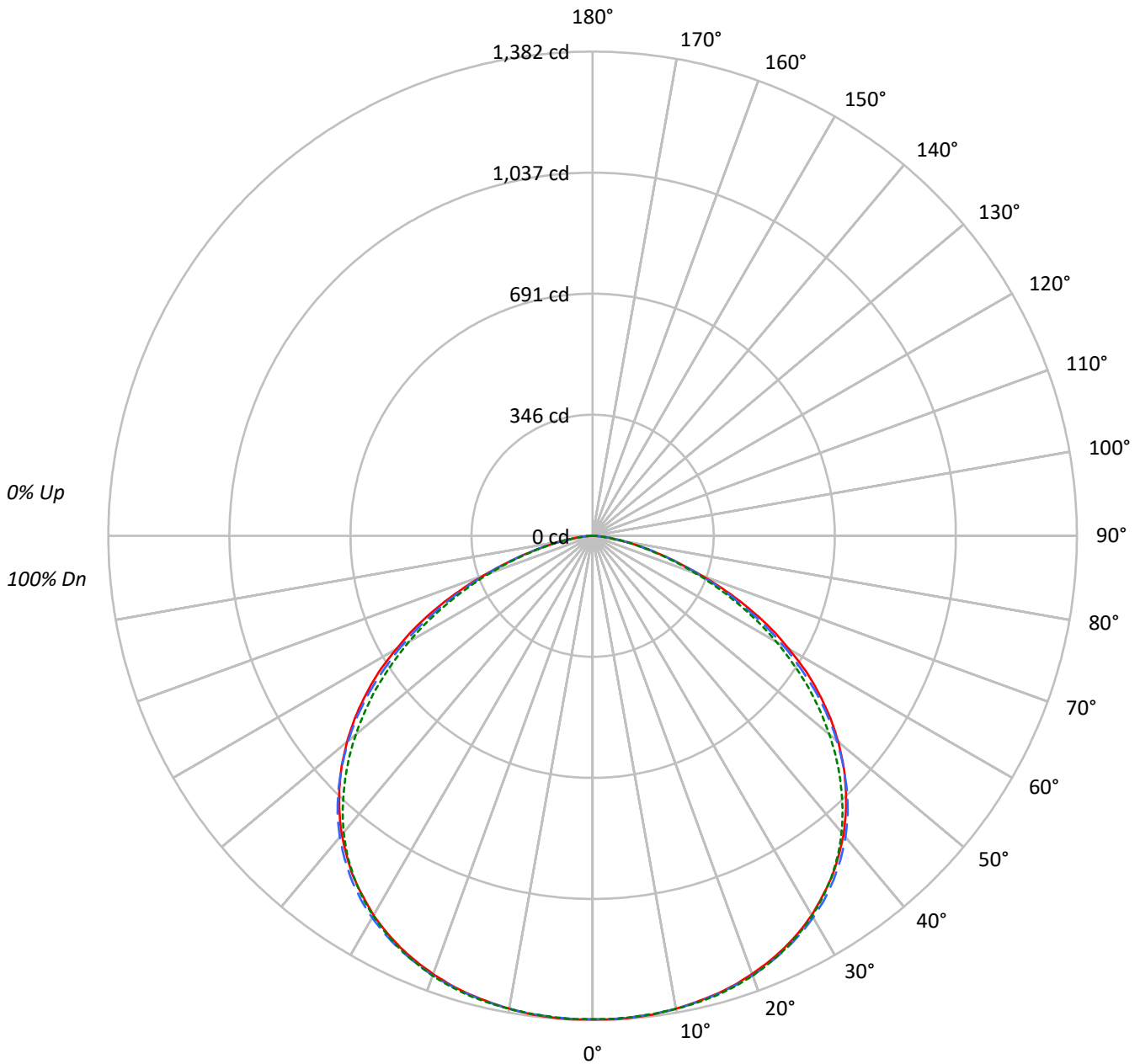
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4047.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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									
RC	80									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	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	96	98	95	93	95	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	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1857	1857	1857
5°	1863	1861	1861
10°	1873	1873	1873
15°	1888	1890	1893
20°	1906	1912	1913
25°	1926	1934	1932
30°	1943	1956	1947
35°	1954	1969	1952
40°	1956	1971	1942
45°	1945	1952	1905
50°	1914	1906	1846
55°	1854	1824	1759
60°	1741	1696	1630
65°	1570	1512	1451
70°	1294	1275	1228
75°	989	1000	959
80°	687	707	693
85°	411	428	417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	3.2
10°-20°	383.7	9.5
20°-30°	600.0	14.8
30°-40°	746.3	18.4
40°-50°	784.3	19.4
50°-60°	688.5	17.0
60°-70°	468.8	11.6
70°-80°	206.8	5.1
80°-90°	37.2	0.9
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°	1115.0	27.6
0°-40°	1861.4	46.0
0°-60°	3334.1	82.4
0°-90°	4047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4047.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1380	1380	1380	1380	1380	
5°	1380	1379	1378	1377	1378	131
15°	1355	1357	1357	1357	1359	383
25°	1297	1301	1303	1302	1301	598
35°	1190	1195	1199	1193	1189	744
45°	1022	1029	1026	1009	1001	787
55°	790	787	778	757	750	704
65°	493	481	475	465	456	486
75°	190	192	192	189	184	208
85°	27	28	28	27	27	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.1	1380.1	1380.1	1380.1	1380.1
2.5°	1381.6	1380.8	1380.1	1378.9	1380.1
5°	1379.7	1379.3	1378.1	1376.6	1378.1
7.5°	1376.6	1376.6	1375.4	1374.3	1375.0
10°	1370.8	1372.0	1370.8	1369.6	1371.2
12.5°	1363.1	1365.0	1364.6	1364.6	1365.8
15°	1355.4	1356.9	1356.6	1356.6	1359.2
17.5°	1344.6	1346.5	1346.9	1347.7	1349.2
20°	1331.1	1333.8	1335.4	1335.0	1336.1
22.5°	1315.3	1318.4	1319.6	1320.3	1319.6
25°	1297.2	1300.7	1303.0	1302.2	1301.1
27.5°	1275.3	1279.1	1282.2	1280.3	1278.0
30°	1250.6	1254.1	1258.7	1255.2	1252.9
32.5°	1220.2	1226.7	1231.0	1226.7	1223.2
35°	1189.7	1195.1	1199.0	1193.2	1188.6
37.5°	1152.7	1159.3	1162.8	1154.7	1149.7
40°	1113.8	1120.4	1122.3	1111.9	1105.4
42.5°	1069.5	1076.8	1077.6	1063.0	1055.7
45°	1022.1	1028.7	1026.0	1009.0	1001.3
47.5°	970.9	975.5	969.7	952.4	943.9
50°	914.6	917.3	910.4	890.0	881.9
52.5°	855.3	854.9	846.1	825.6	816.8
55°	790.2	787.1	777.5	757.1	749.7
57.5°	723.5	713.9	703.5	686.2	676.5
60°	646.9	639.6	630.3	613.0	605.7
62.5°	574.4	561.3	553.6	538.2	531.7
65°	493.2	481.2	475.0	464.6	455.8
67.5°	411.5	402.2	398.0	390.7	382.6
70°	329.0	326.3	324.0	317.1	312.1
72.5°	256.2	255.4	255.1	251.2	246.2
75°	190.3	191.5	192.3	188.8	184.5
77.5°	135.6	137.5	137.2	135.2	134.1
80°	88.6	90.2	91.3	89.4	89.4
82.5°	53.6	55.1	54.7	55.5	53.9
85°	26.6	27.7	27.7	27.4	27.0
87.5°	9.6	10.0	9.6	10.0	9.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)