

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: P506288

Luminaire Tested: **22PD-40-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PW1-L840
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

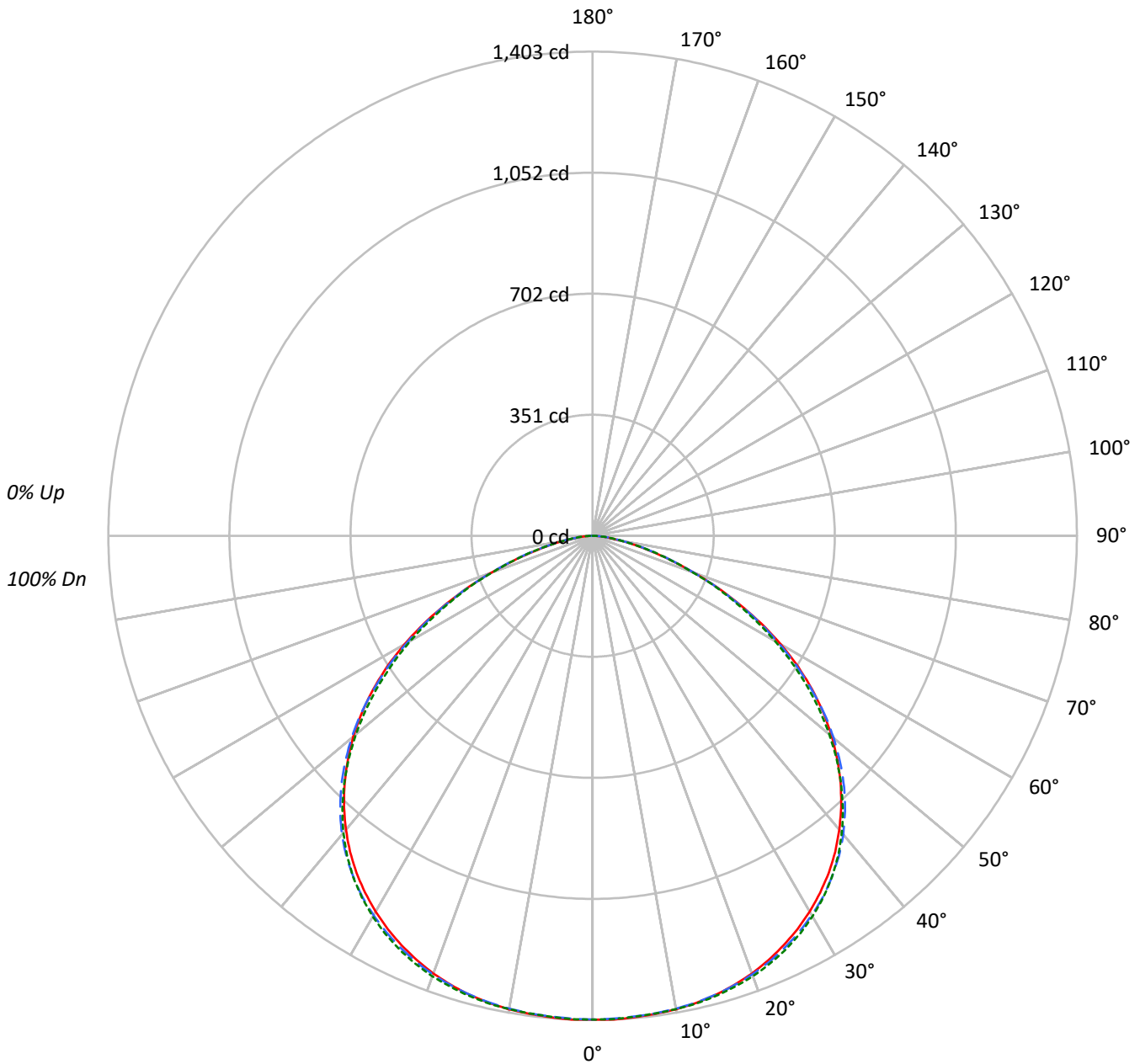
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4052.1 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3772	3772	3772
5°	3783	3777	3779
10°	3807	3802	3806
15°	3837	3835	3847
20°	3865	3874	3889
25°	3888	3911	3929
30°	3907	3945	3959
35°	3917	3968	3970
40°	3905	3968	3946
45°	3867	3922	3874
50°	3788	3815	3746
55°	3641	3624	3556
60°	3389	3351	3281
65°	2989	2960	2903
70°	2448	2460	2408
75°	1855	1917	1902
80°	1344	1398	1375
85°	883	914	976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	3.3
10°-20°	389.3	9.6
20°-30°	607.0	15.0
30°-40°	752.3	18.6
40°-50°	787.2	19.4
50°-60°	686.0	16.9
60°-70°	459.5	11.3
70°-80°	199.2	4.9
80°-90°	38.4	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°	1129.6	27.9
0°-40°	1881.9	46.4
0°-60°	3355.0	82.8
0°-90°	4052.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4052.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1402	1402	1402	1402	1402	
5°	1400	1399	1398	1398	1399	133
15°	1377	1375	1377	1378	1381	389
25°	1310	1310	1317	1321	1323	604
35°	1192	1197	1208	1209	1208	745
45°	1016	1022	1030	1022	1018	782
55°	776	776	772	764	758	691
65°	469	467	465	460	456	464
75°	178	181	184	183	183	197
85°	29	31	30	30	32	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1401.8	1401.8	1401.8	1401.8	1401.8
2.5°	1403.3	1400.8	1400.3	1400.3	1401.8
5°	1400.3	1398.8	1398.3	1397.8	1398.8
7.5°	1397.3	1395.3	1395.8	1394.8	1395.8
10°	1393.3	1391.3	1391.3	1391.3	1392.8
12.5°	1386.2	1384.7	1385.2	1386.2	1388.3
15°	1377.2	1375.2	1376.7	1378.2	1380.7
17.5°	1364.7	1363.2	1365.7	1368.2	1370.2
20°	1349.7	1348.2	1352.7	1356.2	1358.2
22.5°	1331.1	1330.6	1336.7	1340.7	1342.2
25°	1309.6	1310.1	1317.1	1321.1	1323.1
27.5°	1285.0	1286.0	1295.1	1298.6	1300.6
30°	1257.5	1260.0	1269.5	1272.5	1274.0
32.5°	1226.4	1229.9	1241.5	1243.5	1243.5
35°	1192.4	1196.9	1207.9	1209.4	1208.4
37.5°	1154.3	1159.3	1171.8	1169.8	1168.3
40°	1111.7	1117.2	1129.7	1125.7	1123.2
42.5°	1066.1	1071.6	1082.6	1076.6	1073.1
45°	1016.0	1021.5	1030.5	1022.0	1018.0
47.5°	961.9	968.4	972.9	963.4	958.4
50°	904.8	906.8	911.3	900.3	894.8
52.5°	842.7	842.7	846.2	834.2	827.6
55°	776.0	775.5	772.5	764.0	758.0
57.5°	705.4	702.4	700.4	691.4	684.4
60°	629.7	625.2	622.7	615.2	609.7
62.5°	550.6	548.1	545.1	539.1	533.1
65°	469.4	466.9	464.9	460.4	455.9
67.5°	388.8	387.3	387.3	384.3	383.8
70°	311.1	312.1	312.6	312.6	306.1
72.5°	241.0	241.5	244.0	242.0	241.5
75°	178.4	181.4	184.4	182.9	182.9
77.5°	128.3	132.8	132.8	131.8	130.3
80°	86.7	88.7	90.2	89.7	88.7
82.5°	55.1	56.6	55.1	56.1	56.6
85°	28.6	30.6	29.6	30.1	31.6
87.5°	9.5	10.5	11.0	10.5	10.5
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)